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Volume 150 No. 18 October 28, 1946

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Printing Ink Makers Seek Linseed Substitute

The National Printing Ink Research Institute, Lehigh University, Bethlehem, Pa., will concentrate all of its efforts and resources on the discovery or development of alternates for or extenders of linseed oil, critically short basic ink raw material.

The institute plans to test drying time, pigment wetting properties, color, odor, etc., of the materials offered by raw material suppliers as well as those suggested by members or proposed by the institute. These data will be made available to members as soon as possible.

Member companies who cook their own varnishes are being asked to include for general consideration their own linseed alternate formulations. Half-gallon samples, along with complete formula and cooking procedure are being asked for by the institute from those members offering their aid in this work.

All institute members are being asked to fill in questionnaires being sent to them in connection with the solution of the linseed oil problem. Among other questions included in the survey is the listing of the properties most desired tested in the new linseed alternates or extenders.

Another step in the direction of a solution or the alleviation of the linseed oil shortage was taken recently by the National Association of Printing Ink Makers, who announced the appointment of an emergency committee to work on the question of obtaining linseed oil for the printing ink industry.

The committee was composed of A. J. Math of Sinclair & Valentine Company, New York, chairman; Fred Law, of the Fred'k H. Levey Company, New York; John Ellison, presi-

—Continued on page 41

Oil 'Trust' Suits to Be Handled Individually

OPD Washington Bureau

Abandonment of its so-called "Mother Hubbard" antitrust suit against the oil industry by substitution of a series of suits against individual companies for price-fixing and exclusive dealings is reported to be planned by the Department of Justice. The reason for the action, which is expected to be disclosed to the United States District Court for the District of Columbia sometime before the first of the year, is because the case had become too cumbersome to handle due to the demands of the defendant companies and individuals for a statement of particulars of each instance of alleged violation charged by the department.

The result will be that the department will hand-pick the companies it intends to proceed against and many of the present defendants, including the American Petroleum Institute, probably will be excluded.

The suit was originally filed in 1940 against twenty-two major oil companies and their subsidiaries and affiliates and nearly 300 individuals. Prosecution was suspended during the war but revived last year.

All of the companies have filed motions for dismissal or a direction from the court to the department to prepare a bill of particulars of each instance of law violations. Compliance with such a requirement would take months of preparation and a record of untold size.

St. Joseph Lead Mines Closed by Strike

The shortage of lead was accentuated last week by the strike of 3,400 miners of the CIO International Mine, Mill and Smelters Unions at the Leadwood and Labotte, Mo., mines, of the St. Joseph Lead Company. A company statement that the strike resulted from the discharge of one underground employee, whose layoff had been approved by the union.

Soda Ash Ratings Expire October 31

OPD Washington Bureau

All outstanding ratings issued to consumers under P. R. 28 by the Civilian Production Administration to obtain soda ash will automatically expire at the end of this month, it was stated at CPA.

The ratings, which were limited for a period of 60 days, will not be extended nor will any new ratings be issued for soda ash as a result of the agreement reached by the Soda Ash Producers Advisory Committee at its meeting with CPA two weeks ago to supply manufacturers of aluminum with the same percentage of their essential needs as supplied to other essential users.

Metals, Minerals Prices Decontrolled by RFC

OPD Washington Bureau

Sales and deliveries of several metals and minerals when sold by the Reconstruction Finance Corporation or its subsidiaries for export have been exempted from price control, the Office of Price Administration has announced.

The commodities exempted from control only when sold by the RFC for export, beginning October 24, 1946, follow: Antimony, metal and oxide; asbestos; copper; corundum; lead; manganese ore; nickel; quartz crystals; zinc.

This action was taken at the request of RFC to prevent these products being sold to foreign markets at a loss to the United States Government. Losses would result, RFC pointed out, in those cases where metals and minerals in its stockpile cost the agency more than current maximum prices.

Before the suspension action was taken, OPA made certain that it would not encourage increased exportation of metals in short domestic supply. Export sales of these commodities are and will continue to be made only upon allocation or recommendation of the Civilian Production Administration.

OPA and CPA Feverishly Working to End Controls

OPD Washington Bureau

President Truman's speech two weeks ago announcing the lifting of price ceilings on meats and emphasizing his aims of ending other government controls as rapidly as possible has had the stimulating effect on the government control agencies that industry has been demanding for these past several months. Decontrol machinery has been thrown into high gear and is now operating at a pace faster than at any time since V-J Day.

It is almost a race between OPA and CPA as to which of these two agencies are going to get out of business first. During the past week in particular, the mimeographing machines of the price agency have been working overtime turning out announcements of decontrol actions and officials now are working on a decontrol order that will be the master order of them all—a new regulation declaring everything to be decontrolled that is not specifically listed therein.

Announcement of the order is expected sometime early next month, possibly before Election Day.

CPA Administrator Small has taken his cue from the President's speech to step up the liquidation tempo of his agency with the view to getting rid of all its orders, excepting those relating to the veterans housing program which would be turned over to Housing Administrator Wyatt, probably within two months. When he tried to shunt the housing orders over to Administrator Wyatt a month ago he was stepped on hard by OWMR Director Steelman, but CPA Administrator Small interprets the President's speech as overruling Steelman and the go ahead signal for him to resume liquidation. He has asked each of his divisions to supply him with a list immediately of all orders that can be dropped.

The Office of International Trade is another agency that is working feverishly to shorten its list of export controls. A survey is being made of every commodity that is under export license with the view to reducing the number sharply.

Liver for Pharmaceuticals Decontrol Action Seen

OPD Washington Bureau

An order decontrolling liver and other animal byproducts needed by pharmaceutical manufacturers in the production of extracts is being readied for issuance by the Office of Price Administration at an early date. The action might come over this weekend, officials said.

When meats were decontrolled on orders from President Truman two weeks ago, the decontrol action of the OPA was extended only to meats sold for food under the interpretation of the President's order by OPA counsel. The result was that livers could not be sold by the packers to the pharmaceutical manufacturers for more than 17 cents a pound, less than half of what they are bringing for food purposes. Consequently pharmaceutical manufacturers have been unable to make any purchases since the decontrol order was issued.

Tanning Materials Decontrolled by OPA

OPD Washington Bureau

The Office of Price Administration has decontrolled vegetable tanning extracts, including solids, liquefied and ground, as well as raw tanning materials and blended products containing more than 15 percent tanning derived from one or more of the following extracts:

Chestnut, oak, divi divi, cutch, gambier, hemlock, mangrove, myrobalans, osage orange, quebracho, spruce, tara, sumac, gallnut, urunday, wattle bark, algarobilla, valonia and quercitron.

Agricultural Research Advisory Group Named

Appointment of an eleven-man National Advisory Committee provided for in the recently enacted agricultural research and marketing act of 1946 is announced by Secretary of Agriculture Clinton P. Anderson. Members of the committee are:—

H. E. Babcock, Ithaca, N. Y., Poultry and Live Stock Farmer; Fred Bailey, Washington, D. C., legislative counsel for the National Grange; Robert R. Coker, Hartsville, S. C., vice-president of Coker's Pedigreed Seed Company; John H. Davis, Washington, D. C., executive-secretary of the National Council of Farmer Cooperatives; Charles F. Kettering, Dayton, Ohio, general manager of the Research Laboratory Division, to the General Motors Corporation; C. V. Kitchen, Washington, D. C., executive vice-president of the United Fresh Fruit and Vegetable Association;

—Continued on page 42

Labor Relations

Mitchell M. Shipman
Labor-Management Consultant

The Wage and Hour Law—Report and Review

Of the numerous governmental reports and publications on labor matters that come this desk daily, a recent one particularly intrigued and rather surprised him. It is this year's annual report of the enforcement activities of the Wage and Hour Division of the United States Department of Labor.

The report, as usual, contains a welter of statistical data and information. To most of us, statistics are pretty dry stuff, with the result that there is a tendency to give them a fleeting glance and no more. This time this column had a little patience. His patience was amply rewarded for this report of the wage and hour division turned out to be a most illuminating document indeed.

He was most surprised to read in this report that a total of over $13,000,000 was collected by the Federal government from employers during this fiscal year for violations of the wage and overtime provisions of the fair labor standards act, commonly known as the wage and hour law. Another interesting and surprising bit of statistical data contained in this governmental report is that, of the employers investigated by the wage and hour division during this year, about 17,000 were found in violation of the act in one respect or another. About 52 per cent violated the overtime, minimum wage or child labor provisions.

Violators of the overtime section of the act represented, by far, the largest contributors to the $13,000,000 recovery fund. About one-half a million dollars were collected in liquidated damages or fines for violations of just the child labor provision. Another 26 per cent of the employers were found in violation of the record-keeping requirements of the law.

After going over these statistics, this column could not help ask—Why so many violations? After all, the FLSA is now over eight years old, having first been passed back in June, 1938. Certainly at this rather late date of the law's existence, one would be inclined to assume that employers know or should know all about the act and its requirements and that the number of violations would be at its minimum.

What Are the Faults

Does this report mean that the 17,000 or more employers found in violation of the FLSA are "chiselling" on labor, trying to escape giving the worker what, by your Federal laws, has been declared as rightfully his? Or is it sheer neglect or ignorance of the law?

Whatever it be—and this column is

—Continued on page 41

Trade, Farm Groups Queried on Monopoly

Major American business, labor and agricultural organizations have been asked for their views on the extent and seriousness of concentration of economic power, Representative Estes Kefauver of Tennessee, chairman of the monopoly subcommittee of the house small business committee has announced.

He said that he had written letters to most of the major organizations in the country, particularly those who had planned to testify in public hearings before the committee, asking their views on the present seriousness of concentration of economic power, and what action they felt should be taken to meet the problem.

The organizations included the National Association of Manufacturers, the United States Chamber of Commerce, New Council of American Business, the National Cooperative Council, and various labor and agri-

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Phthalic Anhydride Facilities for Sale

An incomplete industrial plant on Neville Island, Pittsburgh, planned for the production of phthalic anhydride is being offered for sale or lease, in whole or in part, by War Assets Administration.

Construction of the plant was stopped with the end of the war, WAA said, pointing out that a purchaser or lessee could complete the plant according to his own needs. The five principal structures are from 58 to 96 percent complete.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

Oct. 24, 1946	Oct. 17, 1946	Oct. 26, 1945
144.2	**143.3**	**133.4**

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Price views were much confused in the markets for chemicals, oils, and drugs last week by the rapid procession of announcements of revocations, exemptions, and suspensions of price-controls. Some of the orders discarding controls were more vague that usual; some required time for trade adjustment. So, the full effects of the possibilities were not reached in prevailing quotations. Nobody would guess the extent to which they would be taken on.

The confusion and lack of time were responsible for the divided movement of prices. Vegetable oils, naturally, were sent to higher levels. Natural and derived vegetable drugs were slightly reduced. Disregard of ceilings was reported here and there, some of it attributable to misunderstanding.

Prices were advanced on sodium arsenite, copper hydrate and naphthenate, manganese naphthenate and tallate, zinc naphthenate, cottonseed, peanut, and soybean oils, Stoddard solvent (Pennsylvania), amylacetate (expentane), dried blood, tankage, celery oil, rectified oil of turpentine, powdered areca, Roman chamomile, blonde fleaseed, linden flowers, stramonium leaves, and five or six spices.

Prices were reduced on menthol, soapbark, rhubarb, pokeroot, peppermint leaves, cocillana, Chinese cantharides, Chilean marjoram, carnauba wax, corn syrup, and oils of camphor (white), caraway, and pimentoberry.

Household Dye Trade Practice Parley Set

OPD Washington Bureau

The Federal Trade Commission will conduct a trade practice conference for members of the household dye industry November 7, with Commissioner Lowell B. Mason presiding. The conference will be held in Room 332, Federal Trade Commission building.

All persons or concerns engaged in the business of manufacturing, placing on the market or distributing materials and dyes used in dyeing or tinting fabrics in the home are invited to attend and take part in the conference, including tthose engaged in blending, packaging, labeling or otherwise preparing such products for sale.

Agricultural Chemists Elect Officers

J. O. Clarke, of the Chicago office of the food and drug administration, has been elected president of the Association of Official Agricultural Chemists for the ensuing year at its annual meeting in Washington, D. C., October 14-16. G. H. Marsh, of Montgomery, Ala., was elected vice-president and Henry A. Lepper of Washington, D. C., was re-elected secretary-treasurer.

New members to the executive committee selected at the meeting are L. S. Walker, of Burlington, Vt.; W. A. Queen of Washington, D. C., H. A. Halvorson of St. Paul, Minn., and W. H. Ross of Washington, D. C.

Phillips Chemical Dept. Advances Crawford

Dr. C. C. Crawford has been appointed assistant manager of the chemical products department of Phillips Petroleum Company, Bartlesville, Okla., and will be in charge of the special products, product development and Perco divisions. He has been succeeded as manager of the product development division by Dr. A. J. Dirksen.

Dr. Crawford, formerly a chemist with the Shell Development Company, joined Phillips in 1943 and was named manager of the products development division the following year.

DCAT Luncheon To Be Held Oct. 30

Drug, Chemical and Allied Trades Section, New York Board of Trade, Inc., will hold a luncheon meeting at 12:30 P.M., October 30, in the Hotel Pennsylvania, New York. Allen W. Rucker, president of The Eddy-Rucker-Nichels Company, Cambridge, Mass., and organizer and president of Tool Owners Union, will speak on the subject, "Revival of Progress in America."

Army-Navy Purchasing Placed Under One Rule

OPD Washington Bureau

Richard R. Deupree, president of Procter & Gamble, Inc., Cincinnati, and chairman of the Army-Navy Munitions Board, was named final authority over all purchases for the Army and Navy, in an executive order issued last week.

Richard R. Deupree

In the order, the president specifically charges Mr. Deupree with the responsibility for making final decisions in matters pertaining to the allocation of joint procurement responsibility between the Army and Navy.

This includes, the order read, the assignment of the procurement of any item to either department or to a joint agency. It also includes the power of final decision in the event of disputes between the departments arising from the determination made by him. Such decisions will be binding on both departments, the order read.

Bids Wanted

Automotive oils, Department of public service, City of Cleveland, O., ordinance No. 1332-46, October 31; 600,000 gallons, Army-Navy Petroleum Purchase Agency, (Washington, D. C.) invitation 4, November 29; 1,602 gallons, Army-Navy Petroleum Purchase Agency, invitation 6; November 21.

Collodion, 1,000 gallons, Army Map Service (Washington, D. C.) invitation 5, November 4.

Copper sulphate, 1,500 pounds, Army Map Service (Washington, D. C.) invitation 5, November 4.

Kerosene, as required from January 11 through June 11, 1947, Treasury Department (Washington D. C.) invitation 9 FO-9371-R, October 31.

Paint thinner, 1,600 gallons, OCT, Procurement Branch (Washington D. C.) invitation 51, November 1.

Paint thinner, 1,100 gallons, Treasury Department (Washington, D. C.) invitation 5D-46283-R, October 29.

Putty, white-lead, 300 pounds, Treasury Department (Marietta, Ga.) invitation 5B-46272-R, October 29.

Radiator seal, powder, 4,000 containers, Post Office Department (Washington, D. C.) invitation 1232, November 1.

Soda caustic, 6,240 containers, Treasury Department (Washington, D. C.) invitation 3-W-46288-2-R, November 1.

Solder, bar 3,000 pounds, Post Office Department (Washington, D. C.) invitation 1233, November 1.

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Chemical Consultants Discuss Licensing

Licensing of chemists and chemical engineers was discussed from several angles by members of the Association of Consulting Chemists and Chemical Engineers at the annual meeting of the association October 22 in New York. The philosophic angle was presented by Albert Parsons Sachs, retiring president, who contended that the practice of chemistry was a professional vocation on the basis of its involvement of professed knowledge, but that a legal definition of the privilege of practicing was needed. In large part the determination of qualifications by means of licensing was in the interest of the public. It would be necessary, however, to set up a really authoritative means of making such determinations. The differences in public service between consultant practitioners and chemists or chemical engineers engaged as employees of private enterprise were examined by Nicholas M. Molnar, the incoming president.

Blank & Stoller

Nicholas M. Molnar

New President, A.C.C&.C.E.

A comparison with the licensed status of engineers as a whole was made by John M. Weiss, who pointed out that such licensing is a statutory requirement in forty-seven States. He told of the movement for a model licensing law and other uniformity but said that chemical engineers, usually included, felt that the fundamentals were too much in other lines and should be constructively improved. Saying that experience well replaced experimentation, he reported that employing concerns were coming to require licensing of their chemical engineer employees.

Chemists are in a different status, Mr. Weiss said. No laws for their licensing exist. The difficulty of defining their practices and qualifications is a hardship. In his opinion it would be most practicable to confine licensing to consultants. He felt that any law would need careful administration and impartial enforcement. This opinion was quite general among the members.

An objective view of the licensing question was urged by Louis Weisberg. The determining criterion, he said, is the interest of the public. He held that consultants were in a class apart from employed chemists and in the same category as members of other professions now licensed. He believed that their compulsory licensing was inevitable, and declared that the often predicted dire consequences were but figments of the imagination. Licensing, while not a cure-all, would not be a disaster, he declared, if proper attention was given to the shaping of the legislation establishing it.

Other speakers touched upon educational angles and fields of activity, some advocating two-way licensing. Comparisons were made with the licensing laws applying to pharmacists. There was a broad feeling that the in-

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Potash Allocation Report Data Filed

Allocation of the 795,880 tons of domestic potash (K_2O) available for distribution from June 1, 1946, to March 31, 1947, has been completed with the apportionment of 35,606 tons to new or expanded fertilizer plants and a supplementary allotment, 7,566 tons, to established mid-western plants, CPA has announced.

Washington Talks It Over

The OPD Observer

Fats, Oils Orders Revoked by D of A

The Department of Agriculture has announced revocation of all War Food Orders controlling fats and oils with the exception of WFO-130 (purchase, sale, and use of peanuts of the 1945 crop) and WFO-63 (control of imports). The department also will continue to allocate exports.

This action was taken after consultation with the Edible Oil Industry Advisory Committee and other industry representatives.

While price ceilings have not been lifted on inedible fats and oils, the interrelationship of all fats and oils and the possibility of substitutions have made it impracticable to continue enforcement of War Food Orders governing inedible oils.

The following orders are revoked, effective October 19, 1946:—

WFO-29, covering distribution, delivery and use of cottonseed, peanut, soybean and corn oils; WFC-42, covering restrictions on use of fats and oils in edible fat or oil products; WFO-42a, covering use of fats and oils in protective coatings, coated fabrics, and floor coverings; WFO-42b, covering use of fats and oils in soap; WFO-43, restrictions on use, processing, sale and delivery of coconut, babassu, palm kernel and other high lauric acid oils; WFO-67, covering inedible tallow or grease, and WFO-124, linseed oil inventories.

The department also announced that effective immediately the Fats and Oils Branch will no longer allocate high lauric acid oils, and persons holding import licenses are relieved of the condition requiring them to sell in accordance with the allocations made by the Department of Agriculture.

American Dietaids Final FTC Ad Hearing Held

Final arguments on the complaint of the Federal Trade Commission against American Dietaids Company, New York, charging the firm with disseminating false advertisements concerning the therapeutic, nutritional or other properties of certain of its vitamin and laxative products were heard October 24 by the commission.

The case has attracted widespread interest in the drug and food fields because of an indicated effort upon the part of the commission to broaden its control over advertising. The commission is trying to force the company to include in its advertising of 'Enrich,' offered as a cure for anemia, a statement that the symptoms of anemia, such as low vitality and chronic drowsiness, are often symptomatic of other causes.

The question as presented by Michael F. Markel, counsel for the firm, is whether a person should be required to make a statement of fact in his advertising that bears no relation to the truthfulness or falsity of the advertising. He contended that it was clear from the legislative history of the law that Congress never intended such a requirement.

Council for the commission argued that because anemia might be the result of other causes not curable by the product, this fact should be made known to the purchaser so that he is not put into the position of a "thousand-to-one" chance of being cured by the company's product.

Cosmetics Control Lifting Completed

The Office of Price Administration has exempted from price control all cosmetics not previously decontrolled. These products include powders, rouge and the entire group of these items. Perfumes, toilet water, cologne, eye and hair cosmetics, cold wave solution and cuticle removers were decontrolled in April 1946. In September 1946 cosmetics items retailing for 25c or less were suspended from price ceilings.

Soybean Plant Sold By Ford Motor Co.

Ford Motor Company, Detroit, has sold its soybean processing plant at Saline, Mich., to Soybrands, Inc., in accordance with the company's recent statement of policy to eliminate many operations unrelated to production and sale of automobiles and trucks.

Republican chances of capturing control of the house in the new Congress have soared upward tremendously in the last several weeks. As a result party leaders already are talking confidently of reforms they hope to bring about in the government and big scale investigations they plan to make which they believe will provide them with the ammunition they need to carry the 1948 presidential campaign.

There seems to be no question but that the deplorable mess the government got itself into on meat has been of great aid in bolstering the Republican hopes. Reports from the hinterlands are full of grumblings from the voters—directed not so much against the OPA as against the Democratic party for permitting such a situation to come about.

But there is an even more important factor which the Republicans are banking on to put them over the top in November. A little known development is the trend of the A. F. of L. vote towards the Republicans and away from the Democrats. The CIO with its stepchild, the Political Action Committee, is throwing its support mainly to the Democrats and the A. F. of L. is becoming fearful of its own interest to have the House packed with CIO-PAC dominated members.

The biggest loophole in the government's campaign against illegal or unauthorized construction is the hit-or-miss methods by which the local communities are backstopping the government's efforts. In some areas building permits are continuing to be issued with little regard to whether the government regulations have been met. In others, permits are issued with the understanding that Federal approval will be obtained later.

The net result of such practices is a flourishing black market in building operations in these areas which the Federal government cannot hope to cope with in view of its small staff of investigators. Millions of dollars of scarce building materials thus are channeled away from the veterans' housing program and never recovered since suspension of further construction, rather than requisition of the materials, is the heaviest penalty imposed on violators.

The problem is how to stop this flow of materials through the black market before it gets started. Housing Expediter Wyatt feels much good can be done if all cities will adopt the rule that no construction permit will be issued without prior approval of the Federal agency. He has drawn up a "Model Ordinance" to this effect for submission to the local communities.

CVA Patterned on TVA

Secretary of the Interior Krug has joined the forces favoring a Columbia Valley Authority patterned after the Tennessee Valley Authority. This is a change in his viewpoint expressed in the past when he disclaimed any leaning to the view that the big water power development in the Northwest should become the framework of a regional authority of the Federal government.

There is a big controversy over whether the most efficient and effective government support and encouragement for economic development of the Northwest is obtainable through a regional authority or through the regularly established agencies of the government operating on a national basis in relation to natural resources. Business spokesmen favor the latter.

A number of bills for development of the Northwest have been introduced in Congress, but it was the Mitchell bill providing for a regional authority to control this development that has received the nod from the secretary. He said in a recent speech at Seattle that the idea of that bill was sound, the principles were right, the objective was not only desirable but essential, and he wanted to be recorded in its favor.

Pipeline Disposal Bogged

Aims of WAA Administrator Littlejohn for easing his agency over the hurdle of selecting a suitable purchaser for the government's Big-Inch and Little-Inch pipelines by setting up a special advisory countil to help him reach a decision, have run into

—Continued on page 36

Faragher to Supervise German Research Reports

Dr. Warren F. Faragher, Houdry Process Corporation, Chicago, was recently named United States government supervisor of final reports by German experts on synthetic petroleum processes by the Office of Technical Services, Technical Industrial Intelligence Division.

Dr. Faragher has left for Europe where he will complete the collection of German information on programs surveyed by the United States Technical Oil Mission, which was assigned to Germany by the Petroleum Administration for War in 1945. The group, including Dr. Faragher, followed advance troops units to investigate manufacturing methods of hydrogenation, catalytic cracking, hydroforming, alkylation, polymerization, Fischer-Tropsch and other processes.

Syrups, Corn Steep Liquor Decontrolled

OPD Washington Bureau

A Gloucester, N. J., plant built by the Navy in 1943 for the production, storage and shipment of oxygen, is being offered for sale or lease by the War Assets Administration. The plant, formerly operated by the Air Reduction Sales Company, New York, has a capacity of 16,000,000 cubic feet of oxygen per calendar quarter.

FSA Mineral Rights Policies Revoked

OPD Washington Bureau

Department of Agriculture policies that reserved to the government all mineral rights in lands sold by the Farm Security Administration have been reversed by an order issued October 15 by Acting Secretary of Agriculture N. E. Dodds. Hereafter such rights will be conveyed to the buyer at the time of sale of the lands.

The action was taken by Mr. Dodds in compliance with a provision of the farmers home administration act abolishing the Farm Security Administration and transferring all its functions and activities to the Farmers Home Administration. This transfer, which was to be effected upon the date of enactment of the act August 14, has been held up for 90 days while the new agency is being organized, and the Farm Security Administration has been continued in operation.

The supplementary order of Mr. Dodds directing the administrator of the Farm Security Administration to convey the mineral rights in the lands along with the sale, is made retroactive to August 14, except in cases where these rights had been reserved prior to October 15, the date of the supplementary order. Excluded from the supplementary order is property identified in Executive Order No. 7028, issued April 30, 1935, which covered the land utilizations projects under the Bankhead-Jones Act that were transferred to the Soil Conservation Service.

Freight Cars Loading Orders Revised by ODT

OPD Washington Bureau

The Office of Defense Transportation has approved two changes in its orders providing for the maximum loading of freight cars which are calculated to provide relief to small buyers located in official territory.

Under the first amendment, railroads are permitted to accept from any shipper situated in that part of official classification territory which is east of the Indiana-Illinois State boundary and the Chicago switching district any closed car containing less than 20,000 pounds of merchandise when the car is destined to any point or points south or west of the first loading point of the car in the territory.

The second change permits the railroads to accept a car from a shipper in the same territory which contains not less than 15,000 pounds of merchandise when the car is destined to any point east of the loading point of such car in the territory.

Both changes, which are made to ODT-1, were made effective October 21 and continue in force until December 20.

Chemical Plant Food Sales Ceiling in Fla. Up

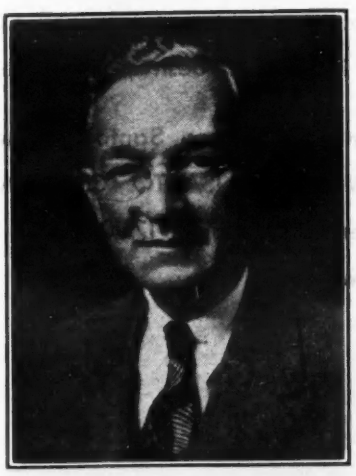
Manufacturers' ceilings on sales of chemical plant foods to dealers and consumers in Florida were raised approximately 6 percent by the Office of Price Administration October 23, in Amendment 7 to Second Revised MPR 135. With the exception of an August 9, 1946, action to reflect increased costs of freight and phosphate rock, the new action is the first general retail price increase on mixed fertilizers granted since August 17, 1943.

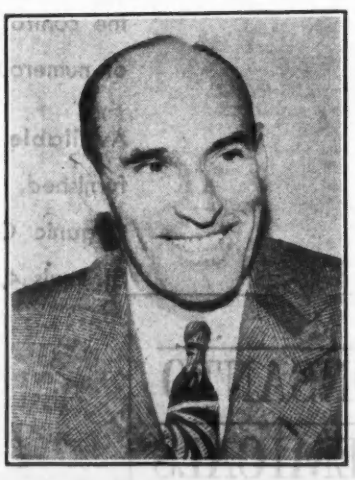
An example of the new retail ceilings is that of $34.50 per ton for 100-pound bags of 3-8-5 mixed fertilizers. The former ceiling was $32.80 per ton.

Oxygen Plant Offered For Sale by WAA

The Office of Price Administration has exempted from price control syrups or glucose produced from flours or starchy materials of potatoes, tapioca, casava, sage, rye and manioca, and corn steep liquor in both liquid and dry form. The exemptions were effective October 22. The agency said the decontrol of corn steep liquor, used in the penicillin industry as an essential broth ingredient for mild growth, would not affect the price of penicillin to users of pharmaceuticals.

In Sherwin-Williams Production Posts

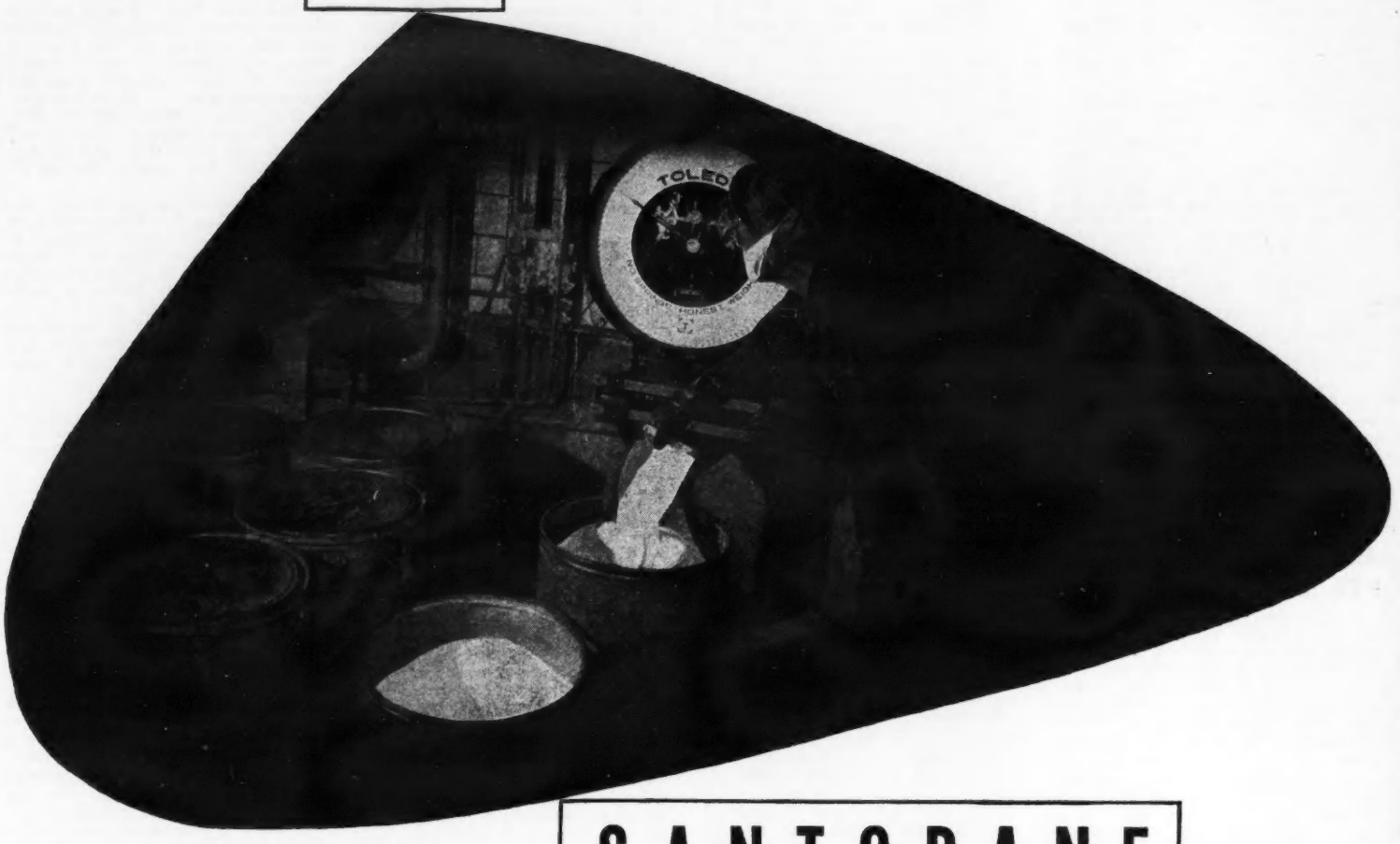




Dr. Nathan E. Van Stone, director of manufacturing operations for the Sherwin-Williams Company, paint manufacturer, Cleveland, has been appointed vice-president and executive director of the special chemical products division of the firm and its affiliated companies, and Victor Mills, since 1934 superintendent of production for Sherwin-Williams, has been advanced to general manager of paint, varnish and lacquer manufacturing.

OPD—10-28-1946 6

for your **DDT** formulations



SANTOBANE
(Monsanto's Dichloro-Diphenyl-Trichloroethane, Technical)

If you are developing or manufacturing formulations containing DDT, you are invited to contact Monsanto as a source of supply.

Santobane* — Monsanto's Dichloro-Diphenyl-Trichloroethane, Technical — is the subject of continuing research on the extensive possibilities of this potent insecticide in the control of household pests, as well as in the control of numerous insects that destroy plant life.

Available information on Santobane will be gladly furnished. Write: MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 1700 South Second Street, St. Louis 4, Missouri.

*Reg. U. S. Pat. Off.

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Ethyleneformohydrin

Agriculture — Ripening agent for fruit.

3-Ethyl-5-(epsilondiethylaminobetabetadeltapentadienylidene)rhodanin

Photographic—Dye (Brit. 517769) for photographic films gives bluish-red colors in water, methanol, or ethyl alcohol).

Sensitizer (Brit. 517769) in silver halide emulsions for photographic films.

Hexylcresols, Tertiary

Disinfectant—Toxic agent (U.S. 2198-349) in germicidal compositions.

2-Aminofluorene

Insecticide and Funcicide — Toxic agent (U.S. 2197249) for insects.

2-Hydroxy-3-napthoic Acid 4-Methoxy-2-methylanilide

Dye—Intermediate in making synthetic dyestuffs.

Lithium-Acetaldehyde Bisulphite

Pharmaceutical—Starting point (U.S. 2214527) in making new organic compounds, claimed to have high therapeutic bactericidal activity accompanied by low toxicity and ready solubility, by reacting with para-aminobenzene sulphonamide.

8-Methyl-2:2'-diethyloxathiacarbocyanin Iodide

Photographic — Sensitizing agent (U.S. 2233509, 2233510, and 2233511) for photographic emulsions.

Methyldi(metallyloxymethyl)-amine

Chemical—New amine offered (U.S. 2297531) as interesting for research and development.

Explosives—Starting point in making tetranitromethane (too unstable to use).

Fuel—Fuel for operating internal-combustion engines; testing and adapting gas appliances which are to be used in natural gas areas.

Mechanical—As a fuel in many sorts of apparatus.

Petroleum—Starting point in making octane (from mixtures of methane and carbon oxides).

Parabutanesulphonylbenzoic Acid

Dye—Reactant (Brit. 549640) in making brilliant scarlet to red anthraquinone dyes of good lightfastness.

Trimethylboron

Petroleum—Antioxidant (U.S. 2257-194) for motor fuels containing unsaturated hydrocarbons.

Zinc-8-hydroxyquinolin Disulphonate

Disinfectant—Claimed (U.S. 2228051) as water-soluble disinfectant.

Zinc-Sodium Double-Sulphide

Petroleum—Remover (U.S. 2138566) of copper compounds from copper-sweetened hydrocarbon oils.

Book Reviews

The Basis and Development of Fair Trade, 149 pages, 9 x 6, The National Wholesale Druggists' Association, New York, N. Y., $5.

This collection of papers is a compendium of the economics and the law of fair trade, in operation in forty-five of the forty-eight States, including an interpretive analysis of all court decisions on the fair trade laws, samples of the fair trade laws and other laws relating to fair distribution, and model fair trade contract laws.

P.A.'s-Eye View of Business

Composite view, October 27, of purchasing agents composing the Business Survey Committee of National Association of Purchasing Agents

Reports from industrial purchasing agents, which, for some time, generally anticipated better business conditions, now indicate an expectation of lower business. The trend to better business has apparently been halted, and the general feeling is pessimistic.

Nevertheless, the backlog of unfilled orders still appears to be on the increase. Employment is at a high level, and further increases in production volume are limited only by the shortage of basic materials and operating supplies.

Retail sales are generally continuing at a high rate for the preholiday season.

Car shortages are beginning to become very serious. Coal and ore mines are having to curtail operations because of this shortage, and more industries will be affected shortly unless the situation improves.

Reports from many areas indicate we may be approaching what might be termed an industrial buyers' strike. Prices, in many cases, are so fantastic that purchases cannot be justified. Buying at any price, to keep a plant running, may be approaching an end.

Shutdowns due to strikes and material shortages are seriously affecting the pay-income of industrial workers, and a drop in buyers' and consumers' demands is bound to result.

The profit angle still continues to worry many in business. Profits do not appear to be in the percentage required to make business attractive and sound. Many concerns are struggling with the problem of cost because of material scarcities and a lack of proper productive co-operation by labor.

With the return to production of two of the large steel plants in Canada, general business conditions there take on a brighter aspect.

Industrial buyers are generally concerned over the duplication of commitments. It is believed there are many such instances; to date, there is no great evidence of cancellations. It is expected, however, that a point has been reached where the trend to cancel out these commitments will accelerate. The opinion is very general that industrial buyers have scaled, or shortly will scale down their ideas on buying too much and too far ahead.

Commodity Prices

While the general trend of commodity prices continues upward, there is, for the second successive month, a decrease in the number of reports from industrial buyers indicating higher prices. There are no reports of lower prices.

Price advances appear more conspicuous in the semifabricated and processed goods field than in basic raw materials.

Where permitted, prices continue to break through OPA ceilings. OPA continues to give ground. It is interesting to note that reports indicate some decontrolled items advance only slightly, while some advances granted by OPA are substantial.

Buyers generally feel that we are in the last wave of increases, although there are indications of another upward surge. If this tendency can be restrained for another sixty days, it may well sound the doom of the fear and possibilities of outright inflation.

While the trend of price is still upward, it is not at the rate of the past few months, and indications are that prices may now level off for

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Animal Vitamin Research Group Broadens Aims

The Animal Vitamin Research Council has voted to change the name of the organization to the Animal Nutrition Research Council, to conform with the expanded objectives of the council, which will include the study of animal nutrients other than vitamins.

At the annual meeting held in Washington, Dr. Kenneth Morgareidge, director of the research and control laboratories of the vitamin division of the National Oil Products Company, Harrison, N. J., was elected chairman for the coming year. Other officers elected were: — Secretary, Fuller D. Baird, Standard Brands, Inc., New York, and treasurer, George H. Kennedy, E. I. du Pont of Nemours & Co., Wilmington, Del.

N.A.I.D.M. to Meet In New York Dec. 2-4

National Association of Insecticide and Disinfectant Manufacturers, will hold its thirty-third annual meeting December 2-4, 1946, at Hotel Commodore, New York. Hotel reservations must be made directly with William L. Buckley, Convention Manager (NAIDM) at the hotel.

MCA Packaging Group Chairman Appointed

OPD Washington Bureau

P. P. Kennedy of E. I. du Pont de Nemours & Co. has been selected to succeed L. L. Hedgepeth as chairman of the glass and wood packages committee of the Manufacturing Chemists Association.

Mr. Hedgepeth is resigning from Pennsylvania Salt Manufacturing Company and from the committee December 1 to become executive secretary of the Virginia State Stream Pollution Board being set up under an act passed recently by the legislature giving the board almost unlimited powers to control the discharge of waste matters in the state's waterways.

German Research Reports

An unusual German plant for distilling fatty acids from acidulated soap stock, and high free fatty acid oil prior to refining, is described in a report now on sale by the Office of Technical Services, Department of Commerce.

The report (PB-25675; photostat, $1; microfilm, $1; 6 pages) was prepared by W. H. Goss and K. S. Markley, investigators for the Technical Industrial Intelligence Committee (now the Technical Industrial Intelligence Division of OTS). It describes the plant facilities of Holtz and Willemsen, oil manufacturers of Uerdingen, Germany. The report is one of eight on German, Dutch, and Danish plants processing fats, oils, and oilseeds, recently placed on sale by OTS.

The distillation plant, known as a "Wecker" still, has a capacity of 45 tons a day for high (10 to 12 percent) free fatty acid rapeseed oil, or 12 tons a day for split fatty acids. It reduces the free fatty acid content of rapeseed oil to one-half percent.

The still pot, a rectangular box, contains a series of horizontal baffles projecting inward from opposite walls. This arrangement forms a long twisting path, along which flows a layer of preheated oils or fatty acids, several inches thick.

A steam pipe runs a little above the baffles. The lateral distributor arms of the pipe are perforated on the lower side. The steam, before entering the still, passes through a water saturator under a vacuum corresponding to the boiling point of water at 40 degrees centigrade.

A series of gas burners placed below the distilling liquid fires the still. The maximum temperature (250 degrees centigrade) and the corresponding pressure (15-20 millimeters absolute of mercury) are both measured at the middle of the still.

TNT Manufacture

An oil exudation test to determine the quality of TNT is described in a report on TNT manufacture in Germany, now on sale by the Office of Technical Services, Department of Commerce. This report was prepared

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Mixed Fertilizer Control Bill Drafted

OPD Washington Bureau

Fertilizer manufacturers would be prohibited from shipping in any state mixed fertilizers containing less than a sum total of 20 percent of nitrogen, available phosphoric acid, and soluble potash under the provisions of the model State control fertilizer bill to be offered for adoption at next year's meetings of the State legislatures by the newly formed Association of American Fertilizer Control Officials.

The bill, which is designed to bring about uniformity among all the states in the control of fertilizers, was drafted by a special committee of fertilizer control officials and a committee of The American Society of Agronomy. Copies are now being circulated throughout the industry and among other state officials where widespread interest is being shown in its provisions.

In general, the bill seeks to adopt the good features of the various laws of the forty-seven states which now have fertilizer control laws, while disregarding those that have been proven difficult of administration and an unnecessary burden on the industry. Uniformity of the laws on this subject is considered highly desirable as it makes for better administration of the laws and favors simplification of operations. It also reduces the costs in the many plants that ship their products across the state lines.

Provisions of the proposed model law providing a minimum of plant food value for mixed fertilizers is in line with the requirements of many of the states, but not all of them. But even those states having minimums in their laws, vary from one to another because they have been adapted to the specific needs of the individual states. This bill would set the sum total minimum for the three ingredients at 20 percent for all states, which is about the average plant food

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Fertilizer Production Starts in Army Plants

OPD Washington Bureau

Actual production of fertilizer grade ammonium nitrate will begin this week in converted munitions plants, according to the War Department. It is also expected that anhydrous ammonia output will be underway this week in three of sixteen plants.

By late summer, 1947, it is expected that 684.000 tons of fertilizer will be produced at a cost estimated at $40.000.000. The fertilizer is to be used to increase the food output of American - occupied Germany and Japan and other areas. It is also expected to make more fertilizer available for American farmers.

Association Meetings

American Association of Textile Chemists and Colorists, Statler hotel, Boston. December 12-15.

American Council of Commercial Laboratories, Palmer house, Chicago, December 2-3.

American Fair Trade Council, Waldorf-Astoria hotel. New York, November 26.

American Institute Chemical Engineers. Philadelphia, November 17-20.

American Management Association Conference, Palmer house, Chicago, November 14-15.

American Oil Chemists' Society, Edgewater Beach hotel, Chicago, October 30-November 1.

American Pharmaceutical Manufacturers' Association, midyear meeting, Waldorf-Astoria hotel, New York, December 9-11.

Chemical Market Research Association. Palmer house, Chicago, October 31.

Federation of Paint and Varnish Production Clubs, Traymore hotel, Atlantic City, N. J., November 4-5.

Industrial Hygiene Foundation, Mellon Institute, Pittsburgh, November 6.

National Drug Trade Conference, Statler hotel, Washington, D. C., November 8.

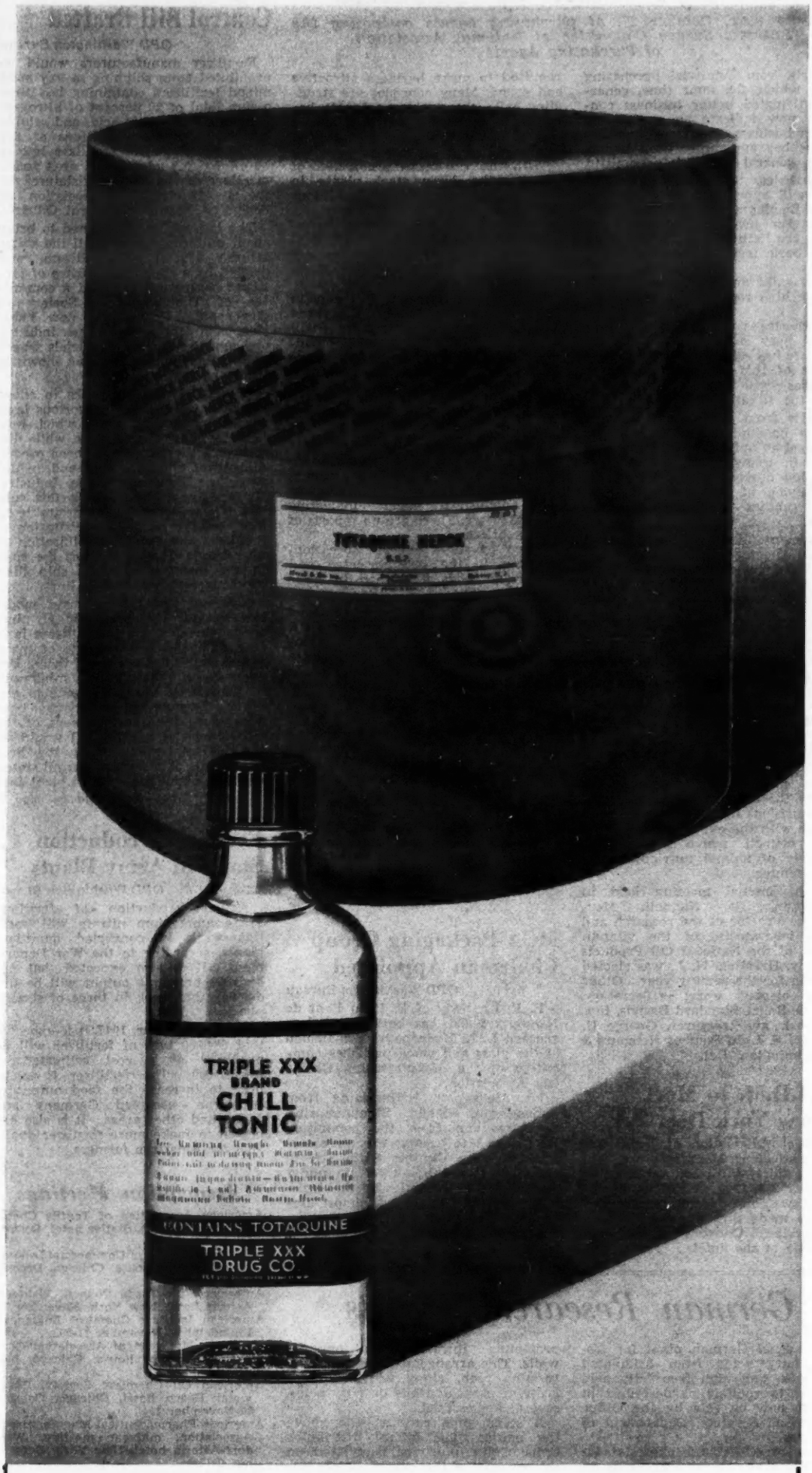
National Foreign Trade Council. Waldorf-Astoria hotel, New York, November 11-13.

National Paint, Varnish and Lacquer Association, Traymore hotel, Atlantic City, N. J., November 6-8.

National Pest Control Association. Roosevelt hotel, New Orleans, October 28-30.

Synthetic Organical Chemical Manufacturers Association, Roosevelt hotel. New York, December 17.

Textile Research Institute, Waldorf-Astoria hotel, New York, November 8.



TOTAQUINE MERCK

an official U.S.P. Antimalarial

now available for chill-tonic manufacture

Totaquine is the only Cinchona derivative being made available, through direct application, by the Civilian Production Administration for the compounding of chill tonics and other antimalarial pharmaceutical preparations.

Totaquine Merck U.S.P. XII is a greatly improved product—a white to slightly yellow fine powder, practically free from Quinoidine, and fully meeting all specifications. Totaquine Merck is an effective and low-cost antimalarial.

Ample stocks permit prompt shipment of all allocations granted by the Civilian Production Administration under Order M-131.

Specify "Merck" on your next C. P. A. application.

Information on the compounding of Totaquine is available on request.

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Current Market Quotations Chemicals and Related Materials

October 24, 1946

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

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A

Acacia (see Gum, Arabic).
Acetaldehyde, 99%, dms., 55 gals., works..lb. .11 - —
5 and 10 gals., works....lb. .14 - —
Acetaldol (see Aldol).
Acetamide, CP, fib. dms., 5,000 lbs. a year, works..lb. .36 - —
smaller lots, works....lb. .38 - .70
tech., fib. dms., 5,000 lbs. a year, works..lb. .28 - —
smaller lots, works.....lb. .30 - .50
Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls. .....lb. .27 - .29
USP, cryst., bbls.....lb. .36 - .97
kgs. .....lb. .37 - .39
powd., bbls. .....lb. .34 - .35
kgs. .....lb. .35 - .37
Acetic anhydride, dms., c.l., frt. alld..lb. .11¼- —
l.c.l., frt. alld.....lb. .13 - —
Acetoacetanilide, bbls., dms....lb. .527 - .7000
Acetone, CP, dms., c.l., dlvd..lb. .06 - —
l.c.l., dlvd..lb. .06¼- —
tanks, dlvd. .....lb. .07 - —
Methyl (see M).
Acetonitrile, dms., c.l., works.lb. .35 - —
l.c.l., works.....lb. .40 - —
5-gal. lots, works.....lb. .45 - —
less than 5-gal. lots, works.lb. .50 - —
Acetophenetidin, USP, bbls., kgs., 1,000-lb. lots..lb. 1.00 - —
dms. .....lb. 1.08 - 1.10
Acetophenone, cns., dms.....lb. 1.50 - 1.75
Acetyl chloride, cbys., works.lb. .60 - —
Acid, abietic, doms., c.l., wks..lb. .07½- —
Acetic,[1] com'l or redist., 28%, bbls..100 lbs. 3.38 - 3.68
50%, bbls.....100 lbs. 5.58 - 5.83
70%, bbls.....100 lbs. 6.68 - 6.93
80%, bbls.....100 lbs. 7.47 - 7.72
99.5%, bbls.....100 lbs. 9.15 - 9.40
glacial, nat., C.P., dms., works..100 lbs.12.50 -13.25
99.5%, bbls.....100 lbs. 9.15 - 9.40
tanks ... .100 lbs. 6.93 - 7.25
synth., tech., bbls., works, 100 lbs. 9.15 - 9.40
dms., works.....100 lbs. 9.25 - 9.75
tanks, works....100 lbs. 6.93 - 7.25
USP, dms., works.100 lbs.10.50 -11.00
pure, 30%, bbls.....100 lbs. 4.41 - 4.69
36%, bbls.....100 lbs. 4.86 - 5.11
60%, bbls.....100 lbs. 7.60 - 7.85
80%, bbls.....100 lbs. 9.25 - 9.51
USP, 36%, cbys.....lb. .08 - .10

Acetic acid price ranges above are for c.l. and l.c.l. quantities. Carboys and casks are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride).
Acetylsalicylic,[1] special, USP, bbls., makers, primary distrib., point of shipm't, 100-lb. lots..lb. .43 - —
smaller lots.....lb. .46 - .59
standard USP, fine cryst., gran. (30-40 mesh), powd. (80 mesh), bbls., same basis. lb. .40 - .54

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Aminoacetic, USP cryst., powd., bbls., frt. adjusted.lb. 1.25 - 1.30
Anthranilic, resub., bbls....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —
Arsenous, tech. (see Arsenic, white).
USP, powd., dms., kgs....lb. .20 - .22
Ascorbic,[1] USP, dms., 500-kilo lots..kilo.24.50 - —
25-50 kilo lots.....kilo.25.00 - —
10-kilo lots.....kilo.25.35 - —
5-kilo lots.....kilo.25.70 - —
bots., kilo lots.....kilo.26.41 - —
500 grams.....kilo.27.47 - —
Battery, cbys., c.l., E. works.. 100 lbs. 1.60 - —
l.c.l., E. works.....100 lbs. 1.95 - 2.85
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .42 - —
1,000 to 3,900 lbs.....lb. .44 - —
999 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up..lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .56 - .58
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .58 - .59
Betaoxynaphthoic, bbls., works. lb. .95 - —
Boric, tech., 99.5% cryst. (same as prices for powder). gran., bgs., c.l., frt. alld.. ton.99.00 - —
ton lots, ex whse..ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld..ton.109.00 - —
ton lots, ex whse..ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton. 95.50 - —
powd., bgs., c.l., frt. alld. ton.104.00 - —
ton lots, ex whse..ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld..ton.114.00 - —
ton lots, ex whse..ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —
USP $25 per ton higher.
Butyric, 99%, dms., c.l., works, lb. .29 - —
l.c.l., same basis.....lb. .30 - —
Broesner's, bbls.....lb. 1.11 - —
Acid, cacodylic, bots. .....lb.13.50 -14.50
Camphoric, cns. .....lb. No stocks
Caprylic, 99%, dms.....lb. No stocks
Capric, tech., ret. dms.....lb. No stocks
Castor oil,[1] split, ret. dms...lb. No stocks
Chlorosulphonic, dms., c.l., works..lb. .06 - —
l.c.l., works .....lb. .06¼- .04½
tanks, works .....lb. .02½- —
Chromic, 99½-99¾%, dms., c.l., lb. .17 - —
l.c.l. .....lb. .17½- .19
Cinnamic, refd., bots.....lb. 3.00 - 3.25
Citric, anhyd., gran., dms., c.l. lb. .22½- —
l.c.l., 10,000 lbs. 1 ship't. lb. .22 - —
smaller lots, bbls. .....lb. .23 - —
dms. .....lb. .25½- .26½
kgs. .....lb. .24 - —
USP, cryst., gran., bbls., c.l., lb. .20 - —
l.c.l., 10,000 lbs., 1 ship't. lb. .20½- —
smaller lots, bbls. .....lb. .21 - —
dms. .....lb. .23 - .24
kgs. .....lb. .21½- —
powdered citric acid, ½c. higher.
Cleve's, bbls. .....lb. .65 - —
Coconut oil,[3] dist., dms.....lb. .17½- .19½
Corn oil,[1] s.d., dms., c.l., wks. lb. .1410- —
Cottonseed oil,[1] s.d., dms., c.l. lb. .1410- .1510
tanks, dlvd. .....lb. .1335- .1435
Cresylic dom. coaltar, high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. .81 - .96
l.c.l., same basis....gal. .83 - .98
tanks .....gal. .75 - .90
Petroleum, heavy grade (247°-298°), dms., 20, Cal. ref..gal. .490 - —
Sewaren, N. J., ref. gal. .616 - —
1-19, Cal., ref....gal. .510 - —
Sewaren, N. J., ref. gal. .636 - —
tanks, dlvd.....gal. .586 - —
light grade (200°-246°), tanks, Cal. ref..gal. .690 - —
medium grade (220°-246°), dms., 20 Cal. ref.gal. .50 - —
Sewaren, N J., ref. gal. .636 - —
1-19, Cal. ref.....gal. .570 - —
Sewaren, N. J., ref. gal. .696 - —
tanks., dlvd. ....gal. .646 - —
Crotonic, bbls., Canadian, wks. lb. .25 - —
Dichlorophenoxyacetic, fib. dms., c.l., works..lb. .80 - —
l.c.l., works.....lb. .85 - .95
Diethylbarbituric (see Barbital).
F (see Acid, monosulphonic).
Formic, 85%, cbys., c.l., wks.lb. .10 - —
l.c.l., works.....lb. .10¼- .11
90%, cbys., c.l., works....lb. .10¼- —
l.c.l., works.....lb. .11 - .11½
Fumaric, tech., bbls., dms...lb. .27 - .31
Gallic, NF V, bbls.....lb. 1.27 - 1.30
fib. dms.....lb. 1.32 - —
technical, bbls.....lb. 1.10 - 1.15
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls....lb. .12 - —
dmjn. .....lb. .21 - .23
kgs. .....lb. .14 - .15
Glutamic hydrochloride, dms., lb. 2.00 - 2.40
Glycolic (see Acid, hydroxyacetic).
H, bbls.....lb. .43½- .45
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, medicinal, 48%, cbys., dlvd. E..lb. .48 - —
tech., 48%, cbys., same basis, lb. .45 - —
34%, cbys., same basis....lb. .35 - .37
Hydrochloric (see Acid, Muriatic).
Hydrocyanic, cyls., works...lb. .80 - 1.00
NF, dilute, 2%, 5-lb. bots..lb. .30 - .40
Hydrofluoric, anhyd., cyls., wks. lb. .19 - .19½
tanks, works.....lb. .16 - —
30%, rubber dms., works..lb. .08 - .09
48%, rubber dms., works..lb. .12 - —
52%, rubber dms., works..lb. .12¾- —
60%, rubber dms., works..lb. .13½- —
Hydrofluosilicic, 30-35%, bbls.lb. .08 - .09
Hydroxyacetic, 70% tech., bbls., non-return, Phila..lb. .084 - —
tanks, Belle, W. Va., acid basis..lb. .065 - —
Hypophosphorous, USP, djns., lb. .75 - .77
Lactic, edible, 50%, cbys., 20 or more..lb. .12½- —
smaller lots.....lb. .13 - .13½
80%, bbls., 5 or less.....lb. .24¼- .24¾
plastic grade, 50%, bbls., cbys., 20 or more..lb. .14½- —
10 or less.....lb. .14¾- .15¼
80%, bbls., cbys., 5 or less, lb. .26 - .26¼
tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works.... 100 lbs. 6.30 - —
l.c.l., bbls., works.... 100 lbs. 6.55 - —
cbys., works.....100 lbs. 7.55 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.90 - —
l.c.l., works....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —
USP XII, 85%, cbys.....lb. .54 - .57
USP VIII, 75%, cbys.....lb. .52 - .55
Acid, Laurent's, bbls.....lb. .45 - —
Lauric, dist., 85%, dms.....lb. .28 Nom.
60%, dms.....lb. .19½- .20½
Linseed oil,[1,7] light, dms....lb. .25½- .26
Maleic, powd., dms.....lb. .20 - —
Anhydride (see M).
Malic, powd., kgs.....lb. .47 - —
Mandelic, USP, dms., 1,000-lb. lots..lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.30
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic,[1] kgs., works.....lb. .95 - 1.10
Monochloracetic, tech., flakes, 96-97%, dms..lb. .16½- —
purified, flake, 99%, dms...lb. .20 - —
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., E. works....100 lbs. 1.75 - 2.45
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works.... 100 lbs. 1.75 - —
tanks, E. works.....ton.22.00 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
tanks, E. works.....ton.32.00 - —
CP, USP, consumers, cbys extra..lb. .08 - —
6-lb. bots., extra.....lb. .10 - —
dealers, cbys., extra....lb. .06½- —
6-lb. bots., extra.....lb. .08½- —
Myristic, dist., dms..... No stocks
Naphthenic, 210-220 acidity, dms., extra, works..lb. .10%- —
tanks, works.....lb. .09 - —
230-245 acidity, dms., extra, works..lb. .12%- —
tanks, works.....lb. .12 - —
Nicotinic, USP, dms., works... kilo. 6.00 - 6.30
Nicotinic amide (see Nicotinamide).
Nitric, 36°, cbys., c.l., E. works. 100 lbs. 5.00 - —
l.c.l., 25, E. works.100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
CP, USP, consumers, cbys. extra..lb. .13 - —
7-lb. bots., cs., extra..lb. .15 - —
dealers, cbys. extra....lb. .11½- —
7-lb. bots., cs., extra..lb. .13½- —
Oleic (see Oil, Red).
Oleum (see Acid, sulphuric, fuming).
Oxalic,[1] bbls., c.l., works....lb. .11¼- .11¾
10,000 lbs.....lb. .11½- .12
smaller lots.....lb. .12½- .13
Palm oil,[3] white, dist., dms..lb. No stocks
Para-aminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Paratoluidinmetasulphonic, bbls., works..lb. .80 - —
Peanut oil, s.d., tanks, works. lb. .11¼- —
Phenylacetic, bots. .....lb. 1.60 - 1.85
Phosphoric, food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., c.l., works, frt. equald..100 lbs. 4.35 - 4.60
l.c.l., works, frt. alld.. 100 lbs. 5.25 - 7.25
tankwagon, dlvd. N Y., Phila. Met. area..100 lbs. 4.00 - —
75%, bbls., c.l., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., c.l., works, frt. equald..100 lbs. 5.10 - 5.35
l.c.l., frt. alld....100 lbs. 7.00 - 9.50
tanks, works, frt. equald., 100 lbs. 4.00 - 4.25
tankwagon, dlvd. N. Y., Phila. Met. area..100 lbs. 4.75 - —
USP, 160-lb. cbys., c.l.....lb. .10¾- —
10 cbys. to c.l.....lb. .11½- —
2 to 9 cbys.....lb. .12 - —
single cbys. .....lb. .13 - —
70-lb. cbys. .....lb. .10¾- —
20 cbys. to c.l.....lb. .11¼- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
dilut., 10%, cbys., djns..lb. .07 - .07½
Picramic, kgs. .....lb. .65 - .70
Picric, bbls. .....lb. .35 - —
Propionic,[1] synth., pure, dms., works..lb. .19½- —
tanks, works .....lb. .18½- —
Pyrogallic, tech., bbls.....lb. 1.45 - 2.08
USP, cryst., dms.....lb. 2.10 - 2.15
resub., dms. .....lb. 2.60 - 2.65
Pyroligneous, dms., ex whse. gal. .29 - —
Ricinoleic, com'l split (see Acid, castor oil, split).
Salicylic,[1] tech., bbls., c.l...lb. .28 - —
100 lbs. to c.l.....lb. .32 - —
smaller lots.....lb. .34 - .42
USP, bbls., c.l.....lb. .28 - —
100 lbs. to c.l.....lb. .35 - —
smaller lots .....lb. .36 - .44
Sebasic, tech., dms., c.l., works, lb. No stocks
Soybean oil,[1] s.d., dms., works. lb. .1385- .1860
tanks, works .....lb. .1310- .1785
Stearic,[1] double pressed, bgs., c.l., dlvd. E. Rockies..lb. .15¾- —
W. of Rockies.....lb. .16¾- —
Texas and Okla., dlvd. lb. .16¾- —
single pressed, bgs., c.l., dlvd. E. of Rockies..lb. .15¾- —
W. of Rockies.....lb. .16¾- —
Texas and Okla., dlvd. lb. .15¾- —
triple pressed, bgs., c.l., dlvd. E. of Rockies..lb. .18¾- —
W. of Rockies.....lb. .19¾- —
Texas and Okla., dlvd. lb. .19¾- —

Stearic acid l.c.l. prices are:—Ton lots, ½c. per lb. higher; less than ton lots, 1c. higher.

Succinic, bbls. .....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.65
tech., dms., works.....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l. .....100 lbs. 1.50 - 2.20
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.. 100 lbs. 1.50 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
Acid, sulphuric, CP, USP, consumers cbys., extra..lb. .09 - —
9-lb. bots., cs. extra..lb. .10 - —
dealers, cbys. extra....lb. .09½- —
9-lb. bots., cs. extra..lb. .09½- —
fuming, 20%, tanks, E. works. ton.19.50 - —
Tannic, tech., bbls., dms....lb. .71 - .72
USP, fluffy, bbls., 1,000 lbs.. lb. 1.33 - —
smaller lots.....lb. 1.35 - 1.90
powder, bbls., 1,000 lbs..lb. 1.13 - —
smaller lots.....lb. 1.15 - —
Tartaric,[7] USP, cryst., gran., powd., bbls., 10,000 lbs., 1 ship't..lb. .54½- —
smaller lots, bbls..lb. .58 - —
kgs. .....lb. .58½- —
Thioglycolic, bbls., cbys., basis 100%..lb. 2.00 - 3.00
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic,[1] CP, 100-lb. pkgs..lb. 2.94 - 3.10
pure, 100-lb. kgs.....lb. 2.66 - —
Aconite leaves, bls.....lb. 1.10 - 1.40
Root, bls.....lb. 1.20 - 1.25
Aconitine, amorph., bots.....oz.23.00 -28.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz.42.00 -48.00
15-gr. vials.....vial. 1.60 - —
Acrylonitrile, dms., c.l., works. lb. .26 - —
l.c.l., works.....lb. .28½- —
tanks, works.....lb. .25 - —
Adeps lanae[1] USP, anhyd., cosmetic, dms., works.lb. .28 - .30
pharmaceutical, dms., works. lb. .26 - .28
Agar .....lb. 2.50 - —
San Diego, Cal.....lb. 2.00 - —
Agaric, white, bls.....lb. 2.85 - 2.90
Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .65 - .70
egg edible,[1,7] cryst., gran., bbls. lb. 1.81 - 1.91
powd., bbls.....lb. 1.56 - 1.66
tech., cryst., bbls.....lb. 1.05 - 1.30
Alcohol, allyl, dms., c.l., dlvd..lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tankcars, dlvd.....lb. .20 - —
Amyl ex pentane, dms., c.l., frt. alld., E. of Miss. R. lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
(see also Fusel oil, ref.).
Benzyl, cns.....lb. .90 - —
dms. .....lb. .65 - .90
Butyl, normal,[1] ferment, Ill., Ind. prod., dms., c.l., frt. alld..lb. .254 - —
l.c.l., frt. alld. E....lb. .259 - —
tanks, frt. alld. E..lb. .244 - —
tankwagon, frt. alld..lb. .249 - —
other production, dms., c.l., frt. alld. E..lb. .226 - —
l.c.l., frt. alld. E....lb. .231 - —
tanks, frt. alld. E....lb. .216 - —
synthetic, dms., c.l., frt. alld. E..lb. .11¾- —
l.c.l., frt. alld. E.....lb. .12¾- —
tanks, frt. alld. E.....lb. .10¾- —
Normal butyl alcohol prices in West, ½c. per lb. higher.
secondary, dms., c.l., dlvd..lb. .09½- —
l.c.l., dlvd.....lb. .10 - —
tanks, dlvd.....lb. .08½- —
tertiary, denat., dms., c.l..lb. .12½- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11 - —
Capryl, dms., c.l., works....lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16 - —
Cetyl, com., CP., fiber etns., 1,000 lbs..lb. 1.75 - 1.80
smaller lots.....lb. 1.95 - 2.30
Cinnamic, bots.....lb. 3.00 - 3.25
Denatured,[1,7] CD14, dms., c.l., works, E..gal. .613 - —
l.c.l., works, E.....gal .633 - .653
tanks, E., dlvd.....gal. .543 - —
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., E. works..gal. .612 - —
l.c.l., works, E.....gal. .632 - .652
tanks, E. works.....gal. .542 - —
Anhydrous 5c. per gal. higher.
SD2B, dms., c.l., wks., E.gal. .60½- —
l.c.l., works, E.....gal. .63½- .65½
tanks, E. works.....gal. .53½- —
SD2BG, dms., c.l., works.gal. .652 - —
l.c.l., works.....gal. .672 - —
tanks, works.....gal. .582 - —
SD23H, dms., c.l.....gal. .61 - —
l.c.l., works, E.....gal. .63 - .65½
tanks, E. works.....gal. .54 - —
SD29, denatured, with acetaldehyde, dms., c.l., E. works. gal. .62 - —
l.c.l., works, E.....gal. .64½- .66½
tanks, E. works.....gal. .55 - —

When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those for SD2I plus 1½c. per gal. denaturing charge.

Special solvent, dms., c.l., works, E..gal. .62 - —
l.c.l., works, E.....gal. .65 - .68
tanks, E. works.....gal. .56 - —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, acetone-free, dms., c.l., dlvd..lb. .11¼- .14½
l.c.l., dlvd.....lb. .12 - .15
tanks, dlvd.....lb. .10½- .13½
tech., dms., c.l., dlvd.....lb. .11 - .13½
l.c.l., dlvd.....lb. .14
tanks, dlvd.....lb. .10 - .12½

Controls on Materials

Applications of CPA, OPA and WFA regulations to materials listed in this section are indicated by superior figures as follows:—

[1]—Specific price ceiling

[2]—Price agreement (sellers with OPA)

[3]—General Limitation Order

[4]—General Preference Order

[5]—Conservation Order

[6]—Allocation

[7]—War Food Order

Alcohol, ethyl, 190 pf., dms., c.l. works..gal.17.72½- —
l.c.l., works.....gal.17.76 -17.79
tanks .....gal.17.05½- —
absolute, dms., c.l., works.gal.18.67½- —
l.c.l., works.....gal.18.71 -18.74
tanks .....gal.18.60½- —
Ethylhexyl, dms., c.l., works.lb. .25 - —
l.c.l., works .....lb. .26 - —
tanks, works .....lb. .24 - —
Furfuryl, tech., cns., works.lb. .35 - —
dms., c.l., works.....lb. .22½- —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .19 - —
Isoamyl (see Carbinol, isobutyl).
Isobutyl, refd., dms., works..lb. .0660- —
tanks, works.....lb. .0760- —
Isopropyl, refd., 91%, dms., incl., c.l., divd..gal. .40½- .41
l.c.l., divd.....gal. .43½- .44
tanks, divd.....gal. .34 - .34½
99%, dms., incl., c.l., divd.. gal. .44 - —
l.c.l., divd.....gal. .47 - —
tanks, divd.....gal. .37½- —
Methyl (see Methanol).
Methylamyl (see Carbinol methylisobutyl).
Octyl, perfumer's grade, bots.lb. 4.25 - —
Phenylethyl, dms.....lb. 2.30 - 2.75
Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 - .70
type B, fiber-pack, same basis. lb. .60 - .68
Propyl, normal, dms., works.gal. .67 - —
smaller containers, works. gal. .82 - —
tanks, works.....gal. .60 - —
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia..lb. .55 - —
dms., c.l., Waverly, N. Y..lb. .40 - —
l.c.l., same basis.....lb. .50 - —
Aldol, dms., works.....lb. .18 - .18
denaturing grade, dms.....gal. 1.20 - —
Aletris root, bgs.....lb. 2.25 - 2.90
Algarobilla,[1] c.l., ex dock.... long ton.80.00 -83.80
Algarobilla price based on ocean frt. at $12 and $1 insurance per long ton.
Algin, bbls., fib. dms.....lb. .76 - 1.00
Alizarin (see Red, alizarin).
Alkanet, root, bgs.....lb. .85 - .90
Allapice,[1] Mexican, futures, bgs. lb. .23 - .26½
Allyl bromide, cbys., 5,000 lbs., works..lb. .90 - —
smaller lots, works.....lb. 1.05 - 1.10
Chloride, dms., c.l., divd....lb. .13½- —
l.c.l., divd.....lb. .14 - —
tanks, divd.....lb. .12½- —
Aloe, Cape, cs.....lb. .42 - .43
Curacao, bgs.....lb. .42 - .43
Socotrine, bgs.....lb. .47 - .49
Aloin, bbls., dms., bgs.....lb. 4.50 - 4.80
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Alphanaphthylthiourea, fib. dms., works, frt. alld..lb. 4.00 - 4.40
Alphapicoline, ret. dms., works, frt. equald..lb. .23½- .28¼
Alphapinene, from gum turpentine, dms., c.l., wks..gal. 1.02½- —
l.c.l., works.....gal. 1.04½- —
tanks, works.....gal. .99½- —
from steam-distilled wood turpentine, tanks, works..gal. .71¾- —
Alphaterpineol, dms., c.l., works. lb. .1340- —
l.c.l., works.....lb. .1390- —
tanks, works.....lb. .1200- —
Alphatocopherol, amp.....gram. 1.00 - 1.10
Althea root, NF, peeled, bls...lb. .43 - .45
Alum, ammonia, bernt, USP. bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 4.00 - —
divd., N. Y., Phil..100 lbs. 4.00 - —
lump, bbls., works....100 lbs. 4.25 - —
divd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works....100 lbs. 4.40 - —
divd., N. Y., Phil..100 lbs. 4.40 - —
Potash, gran., bbls., works. 100 lbs. 4.25 - —
divd., N. Y., Phil..100 lbs. 4.25 - —
lump, bbls., works....100 lbs. 4.50 - —
divd., N. Y., Phil..100 lbs. 4.50 - —
powd., bbls., works....100 lbs. 4.65 - —
divd., N. Y., Phil..100 lbs. 4.65 - —
Potash-chrome, bbls.....lb. .12¾- .15
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., divd. .....100 lbs. 4.25 - 5.00
Alumina, classified, grade, grd., kgs., works..lb. .35 - .67
top grade, ground, kgs., works. lb. .60 - .67
unclassified, ground, kgs., works..lb. .10½- .40
Acetate, basic solution, 24%, bbls., l.c.l., works..lb. .09½- .10
20%, bbls., l.c.l., works.lb. .08½- .09
Chloride, anhyd., com'l, dms., c.l., works..lb. .08 - .11
l.c.l., works .....lb. .09 - .12
cryst., com'l, dms., c.l., works. lb. .06 - —
l.c.l., works .....lb. .06½- .06¾
solution, 32 deg., cryst., c.l., works..lb. .02¾- —
l.c.l., works .....lb. .03¼- —
Fluoride, tech., bbls.....lb. .25 - —
Formate, solution, 12-20° Be, bbls., c.l., works, f.o.b. equaled Phila. and Chi.lb. .09½- —
l.c.l., works, same basis. lb. .10 - —
Hydrate, heavy, bgs., c.l., works..lb. .024 - .031
l.c.l., works .....lb. .025 - .040
light, bgs., divd.....lb. .14½- —
bbls., divd. .....lb. .15 - —
Hydroxide, gel tech., min. 16% $Al(OH)_3$, dms., 10,000 lbs. or more, f.o.b. ship't point..lb. .02 - .02¼
ton lots, same basis..lb. .02¼- .02½
smaller lots, same basis. lb. .02¾- .04
9-9½% Al_2O_3, fib. dms., works..lb. .17¾- —
contract, works.....lb. .16¾- —
14-15% Al_2O_3, fib. dms., wks..lb. .20¾- —
contract, works.....lb. .19¾- —
dried, USP XII, fib. dms., works..lb. .73 - —
contract, works.....lb. .75 - —
powder, tech. (see Alumina hydrate).
USP IX, bbls., dms.....lb. .15 - .17
Laurate, precip., bbls.....lb. .28 - .30
Naphthenate, 1.7% Al, 50-gal. dms., works..lb. .19 - —
Oleate, dms., contract.....lb. .24½- —
Resinate, precip., dms.....lb. .18½- —
Stearate, precip., ctn., c.l....lb. .23 - —
l.c.l. .....lb. .24 - —
Sulphate, com'l, bgs., c.l., works, frt. equald...100 lbs. 1.15 - 1.20
l.c.l., works, frt. equald.. 100 lbs. 1.40 - 1.50
bbls., c.l., works, frt. equald. 100 lbs. 1.25 - 1.40
l.c.l., works, frt. equald. 100 lbs. 1.60 - 1.70
iron-free, bgs., c.l., works, 100 lbs. 1.75 - —
l.c.l., works.....100 lbs. 2.00 - —
Trihydrate, heavy (see Alumina hydrate).

Aluminum, 98-99%, c.l.....lb. .15 - —
l.c.l. .....lb. .15 - .16
paste, lining, extra fine, 200-lb. dms..lb. .56 - .60
ink, 150-lb. dms.....lb. .71 - —
standard, 200-lb. dms.....lb. .58 - —
powder, lining, extra fine, 150-lb. dms..lb. .93 - —
litho, 150-lb. dms.....lb. .60 - —
standard, 200-lb. dms..lb. .62 - —
rubber comp., 200-lb. dms..lb. .42 - —
unpolished, stand., dms...lb. .38 - —
varnish, stand., 300-lb. dms.. lb. .42 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 20,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S. a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins.....oz. 8.75 -12.00
Aminoethylpropanol, cns., dms., works..lb. .50 - .60
Aminopyrine, bots., dms.....lb. 4.00 - 4.40
Ammonia acetate, reagent, crystals, bbls..lb. .34 - —
purified, bbls.....lb. .32 - —
Anhydrous, fertilizer, tankcars, works, frt. equald..ton.59.00 - —
pure, cyls.....lb. .14½- —
refrigeration, tanks, works... ton.61.50 - —
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¾- —
l.c.l. .....lb. .02½- —
tanks, works (NH_3 content). ton.65.00 - —
Benzoate, USP, dms., kgs., 4,000 lbs., up, frt. alld..lb. .43 - —
smaller lots, frt. alld..lb. .44 - .47
Biborate, gran., bbls., N. Y. or Chi..lb. .1515- —
Bicarbonate, dms., c.l.....lb. .0564- —
Bichromate, bbls.....lb. .23 - .25
Bifluoride, bbls.....lb. .15 - .15½
Borate, gran., bbls., kgs.....lb. .1090- —
powd., bbls., kgs.....lb. .1150- —
Bromide, gran., NF, bbls.....lb. .28 - —
dms. .....lb. .29 - —
Powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, dms..lb. .06¼- .09¼
cns. .....lb. .14¼- .17¼
powdered 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms., kgs.. lb. .13 - .15
Citrate, dibasic, bbls.....lb. .75 - —
dms. .....lb. .80 - .85
Fluoride,[6] bbls.....lb. No stocks
Hydroxide (see Ammonia, aqua).
Hypophosphite, NF, dms.....lb. 1.25 - 1.27
jars .....lb. 1.30 - 1.35
Iodide, NF, bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls..lb. 1.26 - 1.28
Molybdate,[6] c.p., cryst., kgs..lb. .83 - .87
fine cryst., bbls., kgs....lb. .84 - .87
purified, dms.....lb. 1.10 - 1.12
Nitrate,[1] fertilizer grade, Canadian, 32.5% nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate, bgs., c.l., shipping point.....ton.52.00 - —
bulk, same basis.....ton.46.00 - —
tech., bgs., works.....100 lbs. 4.35 - 4.50
bbls., works.....100 lbs. 4.55 - —
Nitrate - limestone, 20.5% N. bgs., Hopewell, Va..ton.32.50 - —
Oleate, dms.....lb. .14 - —
Oxalate, fine gran., bbls.....lb. .23 - —
dms. .....lb. .25 - .29
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs.....lb. .25½- .29½
Phosphate, dibasic, NF V, bbls., kgs..lb. .37 - .39
tech., bgs., c.l., works..lb. .07 - —
l.c.l., works.....lb .07¾- —
monobasic, pure, bbls.....lb. .39 - .41
tech., bgs., c.l., works...lb. .07 - —
l.c.l., works.....lb. .07¾- .08¼
Salicylate, NF, dms., kgs...lb. 1.15 - 1.16
Silicofluoride, bbls.....lb. .15 - .18
Stearate, anhydrous, dms...lb. .34 - —
paste, dms.....lb. .06¼- —
Sulphamate, bbls., dms., works. lb. .18 - .20
Sulphate,[1] bulk, producing ovens..ton.30.00 - —
Sulphide, liquid, 40-45% basis 100%, dms., c.l., works..lb. .09 - —
l.c.l., divd.....lb. .15 - —
tanks, divd.....lb. .07½- —
red, 48%, cbys., works.....lb. .08 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys., works..lb. .08 - —
dms., works.....lb. .06 - —
Sulphocyanide, CP, bbls.....lb. .55 - —
jars .....lb. .57 - —
tech., bbls.....lb. .17 - .19
Thiocyanate (see Ammonia sulphocyanide).
Thioglycollate, highly purified, 100% basis, bbls..lb. 7.10 - 8.25
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bbls., c.l., works.... 100 lbs. 5.50 - 5.75
l.c.l., works.....100 lbs. 6.00 - 6.70
white, gran., bbls., c.l., works. 100 lbs. 4.45 - —
l.c.l., same basis.100 lbs. 5.15 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., divd..lb. .17 Nom.
l.c.l., divd.....lb. .17½ Nom.
tanks, divd.....lb. .16 Nom.
ex-pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .191 - —
l.c.l., same basis.....lb. .201 - —
tanks, same basis.....lb. .181 - —
Alcohol (see Alcohol, amyl).
Butyrate, dms.....lb. .90 - 1.00
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
tanks, works.....lb. .06 - —
Ether, dms., c.l., works....lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Nitrite, USP, bots.....lb. 1.77 - 1.85
Mercaptan, dms., works.....lb. 1.10 - —
Salicylate, bots.....lb. .68 - .85
Stearate, dms., works.....lb. .42 - .45½
Anethol, com'l, dms., works..lb. .657 - .685
NF, dms.....lb. 2.00 - 2.85
Angelica dom. atropurpurea root, bls..lb. 1.30 - 1.40
imported, natural, bls.....lb. 2.50 - 2.60
Angostura bark, bls.....lb. .34 - .35
Anilin oil, dms., c.l., works, frt. alld..lb. .12 - —
l.c.l., works, frt. alld....lb. .13 - —
tanks, works, frt. alld....lb. .11 - —
Salt, dms., works.....lb. .22 - .24
Anise, Argentine, bgs., afloat..lb. .45 - .46
Argentine, futures .....lb. .46 - .47
Chinese, star .....lb. .21½- .22
Cyprus, bgs.....lb. No stocks
Mexican, bgs.....lb. .49¼- .50
Syrian, bgs., futures.....lb. .45 - .46
Turkish, bgs.....lb. No stocks
Anisic aldehyde, dms.....lb. 2.75 - —
cns., bots.....lb. 2.90 - 3.05
Annatto, paste, bxs.....lb. .34 - .39
Seed, bgs.....lb. .13¾- .13¾
Anthracene, 80-85%, bbls., works. lb. .55 - —
90%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, bbls....lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal,[1,4] bulk, c.l., works...lb. .14½- .17½
Needle,[1,6] Bolivian brown, 67%, cs..lb. .16½ Nom.
Chinese, black, 70%, cs....lb. .20 - .22
Oxide,[1,6] ceramic grade, bgs., c.l..lb. .17 - —
l.c.l. .....lb. .17½- —
paint grade, bgs., c.l.....lb. .17 - —
l.c.l. .....lb. .17½- —
Salt,[1,6] 65%, bgs., c.l., divd. E. of Miss. River..lb. No stocks
Sulphide,[1,6] 65-70%, bbls., c.l., works..lb. .17 - —
l.c.l., works.....lb. .17¼- —
Antipyrine, bbls., kgs., ton....lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz.23.20 -23.70
Archil extract, bbls.....lb. No stocks
Areca nuts, powd., bbls.....lb. .17 - .18
Arecoline hydrobromide, bots..oz. 6.10 - 7.10
Argols,[7] min. 70%, bgs., shipment port, 100 kilos (100% purity)..35.00 -36.00
Arnica flowers, bbls.....lb. 1.65 Nom.
Arrowroot, powd., bgs., bbls..lb. .12 - .16
Arsenic, chloride (arsenous), bots. lb. 1.55 - —
Metal, lump, c.l.....lb. No prices
Sulphide, yellow, bbls.....lb. No stocks
Trioxide (see Acid, arsenous, and Arsenic, white).
White, pcwd., kgs., c.l.....lb. .05 - —
l.c.l. .....lb. .05¾- —
Asafetida, cs.....lb. .70 - .75
powd., bbls., dms.....lb. .94 - .95
Asbestine (see Talc, N. Y., fibrous).
Asbestos, fiber,[1] 5D and 5K, bgs., c.l. (20 tons), Cana, mines. ton.49.50 - —
5R, bgs., c.l. (20 tons), same basis..ton.44.00 - —
6D, bgs., c.l. (20 tons), same basis..ton.32.00 - —
7D, bgs., c.l., same basis.ton.28.50 - —
7F, bgs., c.l., same basis.ton.26.50 - —
7H, bgs., c.l., same basis.ton.22.50 - —
7K, bgs., c.l., same basis.ton.19.00 - —
7M, bgs., c.l., same basis.ton.16.50 - —
7R, bgs., c.l., same basis.ton.15.50 - —
Asphaltum, Barbados, Dunellen, N. J...lb. .10½- —
California, dms., c.l.....ton.36.40 - —
l.c.l. .....ton.41.40 - —
Cuba, A, bulk, c.l.....ton.60.00 - —
l.c.l. .....ton.90.00 - —
B, bulk, c.l.....ton.38.50 - —
l.c.l. .....ton.85.00 - —
Egyptian .....ton. No stocks
Gilsonite, brilliant black, selects, 340° F. fusing point, bgs., mines..ton.30.00 -32.00
270-295° fusing point, bgs., mines..ton.30.50 - —
seconds, 300-390° F. fusing point, not uniform, bgs., mines..ton.25.50 - —
jet, ngs., ton lots, gross weight, Colo. mines..ton.30.50 - —
Manjak, No. 10, crude, dms., works..lb. .05½- .12
process form, bgs., works..lb. .05¾- .12
jet, bgs., 2,000 lbs., gross weight, Colo. mines..ton.30.50 - —
Mexican, refd., dms., f.o.b. Tampico, Mex. metric ton.27.50 - —
South American, refd., dms., c.l., N. J. refy..ton.22.00 -23.00
l.c.l., same basis.....ton.24.00 -25.00
tanks, same basis.....ton.15.00 - —
Atropine, bots.....oz. 9.85 - —
Sulphate, bots.....oz. 7.35 - —

B

Balm of Gilead buds, bgs.....lb. 2.25 - 2.50
Barbasco root,[1] (see Cube root).
Barberry root bark, bgs.....lb. .73 - .80
Barbital, dms. .....lb. 3.50 - 3.60
sodium, dms. .....lb. 3.75 - 3.85
Barium carbonate, natural, 90% through 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works..ton.68.00 -70.00
l.c.l., works .....ton.65.00 -75.00
bbls., c.l., works.....ton.65.00 -75.00
l.c.l., works .....ton.70.00 -80.00
Chlorate, kgs., works.....lb. .27½- .31
Chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., cryst., bgs., c.l., works. ton.78.00 - —
l.c.l., works .....ton.78.00 - —
bbls., c.l., works....ton.75.00 - —
l.c.l., works .....ton.80.00 - —
Dioxide, dms., c.l., works....lb. .10 - —
l.c.l., works .....lb. .12 - .13
Fluoride, bbls. .....lb. .18 Nom.
Hydrate, crystals, bbls.....lb. .06½- .07½
Hydroxide, bbls., works.....lb. .15 - .16
Iodide, bots. .....lb. 4.02 - 4.32
Monoxide (see Oxide).
Nitrate, bbls., c.l., works...lb. .09½- .11½
l.c.l., works .....lb. .10 - .11½
Oxide, dms., c.l., works.....lb. .11½- .12
l.c.l., works .....lb. .14 - .15
grd. dms., l.c.l., works....lb. .15 - .17
Peroxide (see Dioxide).
Silicofluoride, bbls. .....lb. .17 - .19
Stearate, ctns., 1 ton up....lb. .34½- —
smaller lots.....lb. .35½- —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls. .....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, floated, bbls., c.l., St. Louis..ton.27.65 - —
l.c.l., same basis.....ton.28.65 - —
ex whse., N. Y. .....ton.34.00 - —
paper bags, c.l., St. Louis.ton.25.35 - —
l.c.l., same basis.....ton.26.35 - —
ex whse., N. Y. .....ton.34.00 - —
Southern, off-color, bgs., mine. ton.17.50 - —
96.75% bgs., mines.....ton.18.00 - —
Ore, approx. 84% $BaSO_4$, bulk, mines..ton. 6.50 - —
Bauxite bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Barberry bark, bgs.....lb. .12 - .13
Belladonna leaves, bls.....lb. 2.50 Nom.
Root, bls.....lb. 2.50 Nom.
Bentonite, 200 mesh, bgs., works. ton.11.60 - —
325 mesh, bgs., works....ton.16.00 - —
Benzaldehyde, NF, dms.....lb. .70 - 1.10
tech., cbys., dms.....lb. .45 - .55
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns. .....lb. 3.20 - 3.55
Benzol (benzene), pcre, nitration and 90%, dms., works. gal. .20 - —
tanks, E. of Omaha, frt. alld..gal. .16 - —
W. Coast, Minnequa, Colo..gal. .15 - —
Benzophenone, dms. .....lb. 1.15 - 1.20
Benzoyl chloride, cbys.....lb. .25 - .29
Peroxide, pure, gran., fib. ctns., works..lb. .90 - 1.05
Benzyl acetate, f.f.c., cns.....lb. .55 - .70
dms. .....lb. .55 - .60
Alcohol (see Alcohol, benzyl).
Chloride, tech., cbys., works, frt. equald..lb. .20 - —
refined, cbys.....lb. .21 - —
Cinnamate, cns.....lb. 4.00 - 6.35
Formate, cns. .....lb. 2.10 - 2.75
Propionate, bots. .....lb. 1.80 - 2.45
Salicylate, bots.....lb. 1.80 - 1.85
Benzylidinacetone, bots.....lb. 2.00 - 2.70
Benzylisoeugenol, bots.....lb. 9.50 - —
Berberine Bisulphate, cns.....lb. No stocks
Hydrochloride, bots.....lb. No stocks
Sulphate, cns.....lb. No stocks
Berberis root, bls.....lb. .30 - .35
Betanaphthol, resublimed, dms., works..lb. .55 - .60
tech., bbls., c.l., works....lb. .21 - —
l.c.l., works.....lb. .23 - —
Benzoate, fib. dms., works...lb. 1.75 - —
Salicylate, dms.....lb. 5.00 - —
Betanaphthylamine, tech., works. lb. .51 - —
Betapicoline, 90%, ret. dms., c.l., works..lb. 1.00 - —
l.c.l., works.....lb. 1.35 - —
95%, dms., works.....lb. 2.05 - —
98-99%, works.....lb. 2.20 - —
Betagammapicoline, dms., c.l., works..lb. .23½- —
l.c.l., works.....lb. .24½- —
Beth root, bls.....lb. .45 - .50
Bismuth chloride, bots.....lb. 3.00 - —
jars .....lb. 2.95 - —
Citrate, USP VIII, bots.....lb. 2.81 - 2.90
jars .....lb. 2.75 - —
Hydroxide, bots.....lb. 3.41 - 3.46
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.00 - —
Nitrate, cryst., bots.....lb. 1.41 - 1.49
cns. .....lb. 1.30 - —
Oxychloride, bots.....lb. 3.14 - 3.19
cns., dms., kgs.....lb. 3.10 - —
Subbenzoate, bots.....lb. 3.51 - —
fib. dms.....lb. 3.40 - —
Subcarbonate, USP, bbls., dms. lb. 1.50 - 1.53
bots., cns.....lb. 1.59 - 1.63
X-ray, 5-lb. bots.....lb. 2.79 - —
fib. dms.....lb. 2.72 - —
Subgallate, NF, bots., cns...lb. 1.49 - 1.53
fib. dms.....lb. 1.40 - 1.45
Subiodide, bots.....lb. 4.19 - 4.25
fib. dms.....lb. 4.13 - —
Subnitrate, USP, powd., bbls., dms..lb. 1.20 - 1.23
Subsalicylate, USP, bbls., fib. dms..lb. 2.50 - —
5-lb. cans.....lb. 2.54 - 2.59
Sulphocarbolate, bots.....lb. 3.71 - 3.74
fib. dms.....lb. 3.65 - —
Bismuth-ammonia citrate, USP, powd., dms..lb. 3.40 - —
cns. .....lb. 3.45 - 3.50
Black, acetylene, bgs., c.l., works. lb. .14 - —
l.c.l., works.....lb. .18 - —
Bone 1A, bgs., bbls., c.l., frt. alld. dest..lb. .19 - —
1, bgs., bbls., c.l., same basis. lb. .18½- .16½
2 bgs., bbls., c.l., same basis. lb. .15 - .15½
3 bgs., bbls., c.l., same basis. lb. .14 - .14½
4, bgs., bbl., c.l., same basis. lb. .12 - .13
5, bgs., bbls., c.l., same basis. lb. .10½- .11
6, bgs., bbls., c.l., same basis. lb. .10½- .11
7, bgs., bbls., c.l., same basis. lb. .12½- .14
8, bgs., bbls., c.l., same basis. lb. .14½- .15
490A, bgs., bbls., c.l., same basis..lb. .06½- —
457, bgs., bbls., c.l., same basis..lb. .11¾- —
Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c higher
Carbon, channel, compressed, beads, bulk, c.l., works. lb. .05½- —
bgs., c.l., works.....lb. .05¾- —
l.c.l., works.....lb. .06½- —
divd. or whse.....lb. .0970- —
uncompressed, regular, bgs., c.l., works..lb. .06½- —
bgs., ctns., l.c.l. divd. or whse..lb. .1020- —
Furnace, HMF, bgs., c.l., works..lb. .06 - —
ctns., l.c.l., whse.....lb. .07½- —
SRF, bgs., c.l., works..lb. .03½- —
ctns., l.c.l., whse.....lb. .06 - —
Thermatomic, bgs., c.l., works, La..lb. .04 - —
l.c.l., whse. Trenton, N. J. lb. .06½- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .08½- —
Lamp, 1, ctns., c.l., works..lb. .08¾- —
l.c.l., works.....lb. .09 - —
2, ctns., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .11 - —
2A, ctns., c.l., works.....lb. .12 - —
l.c.l., works.....lb. .13½- —
3, ctns., c.l., works.....lb. .14¼- —
l.c.l., works.....lb. .15¼- —
4, ctns., c.l., works.....lb. .16¼- —
l.c.l., works.....lb. .17¼- —
5, ctns., c.l., works.....lb. .20 - —
l.c.l., works.....lb. .26 - —
6, ctns., c.l., works.....lb. .26½- —
l.c.l., works.....lb. .27½- —
7, ctns., c.l., works.....lb. .37½- —
l.c.l., works.....lb. .38¾- —
Mineral, vine type, bbls., l.c.l., works..lb. .04¾- —
Vine A, bbls.....lb. .04½- .05
B, bbls.....lb. .05¾- —
kegs .....lb. .06 - —
Black dyes (see Dyes).
Black haw root bark, bls.....lb. .82 - .84
Tree bark, bls.....lb. .35 - .40
Black Indian hemp root, bls..lb. .55 - .60
Blanc fixe, dry, by-product, bgs., c.l., works..ton.60.00 - —
l.c.l., works.....ton.67.00 - —
direct process, bgs., c.l., works..ton.70.00 - —
bbls., c.l., works....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
pulp, 66%, bbls., c.l., works, ton.40.00 - —
l.c.l., same basis....ton.40.50 - —
Bleaching powder,[1] dms., c.l., works...100 lbs. 2.50 - 3.10
l.c.l., works.....100 lbs. 3.75 - 3.80
Blood,[7] dried, 16-16½% ammo., bgs..unit-ton.10.00 - —
high-grade, unground, 16-17% ammon., bulk, Chicago. unit-ton.10.60 - —
soluble, bgs., c.l., Chicago..lb. .13½- —
l.c.l., Chicago.....lb. .15 - .20
Bloodroot, bls.....lb. .55 - .60
Blue,[1] alkali, dry, bbls., divd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.75 - 1.90

GLYCERINE SUBSTITUTE

●

We have on hand for immediate delivery 300,000 pounds of Ucon.

This is a glycol having a molecular weight of about 2200. It has a viscosity of 1400 in Saybolt seconds at 100° F. It is a pale amber liquid resembling glycerine. It weighs 9.11 pounds per gallon; has a tacky consistency and a characteristic odor.

This Ucon finds extensive application as an emulsifier, as a detergent, and as a plasticizer. This is a water soluble product. Samples on request.

PROPYLENE GLYCOL

To users of Ucon, we can furnish certain quantities of Propylene Glycol.

WILLIAM D. NEUBERG COMPANY

Chemicals

GRAYBAR BUILDING • 420 LEXINGTON AVE • NEW YORK 17, N. Y.

TELEPHONE LEXINGTON 2-3324

CABLE—"WILNEUBERG"

Blue, alkali, toner, bbls., same basis..lb. .85 - .90
Celestial, bbls., same basis..lb. .10 - .12
Chinese, bbls., same basis..lb. .36 - —
Cobalt, genuine, bbls., same basis..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, full strength, bbls., same basis. lb. 3.50 - 3.75
80%, bbls., same basis..lb. 3.00 - —
green shade, bbls., same basis. lb. 4.50 - 4.90
Iron (see Blue, Chinese, Milori, Potash Prussian, and Soda).
Milori, bbls., same basis....lb. .36 - —
Molybdated, Victoria, bbls., same basis..lb. 3.15 - —
Peacock, fugitive, 100% color strength, same basis..lb. .52 - —
permanent toner, green shade, molybdic, bbls., same basis. lb. 3.50 - —
tungstic .....lb. 4.00 - —
Potash, CP, bbls., same basis. lb. .45½- —
Prussian, bbls., same basis.lb. .36 - —
soluble, bbls., same basis.lb. .36 - —
Soda, CP, bronze, bbls., same basis..lb. .39 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis. lb. .23 - .27
jobbing type, dry, bbls., same basis..lb. .12 - .13
regular types, dry or pulp, bbls., same basis..lb. .17 - .27
Victoria, toner, molybdic, bbls., lb. 3.15 - —
tungstic, bbls. .....lb. 3.30 - 3.55
ink toner, bbls., same basis. lb. 1.63 - —
synthetic vehicle, bbls., same basis..lb. 1.66 - —

Blue, violet, toner, molybdic, bbls., same basis..lb. 1.24 - —
tungstic, kgs., same basis..lb. 2.10 - —

Blue dry colors, divd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.

Blues dyes are listed under Dyes.

Blue mass, NF, cns., tube....lb. 1.58 - 1.75
powd., bots., cns., dms.....lb. 1.61 - 1.76
Bluefag, root, bls.....lb. No stocks
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone,[7] raw, bulk, Chicago..ton.57.00 -65.00
junk, bulk, same basis....ton.44.00 -52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works.. ton.50.00 - —
Chicago, works....ton.55.00 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works..ton.65.00 - —
Chicago, works....ton.65.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works. ton.45.00 - —
Chicago, works....ton.50.00 - —
Phosphate, defluorinated (see D.).
Precipitated (see Calcium phosphate tribasic precip.).
Boneset leaves, bls. .....lb. .16 - .17
Borage flowers, bls. .....lb. .60 - .62
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.41.50 - —
bgs., c.l., frt. alld....ton.45.00 - —
ton lots, ex whse....ton.56.00 - —
less ton lots, ex whse.ton.61.00 - —
bbls., c.l., frt. alld....ton.55.00 - —
ton lots, ex whse....ton.66.00 - —
less ton lots, ex whse.ton.71.00 - —

Borax, tech., 99½%, gran., bgs., c.l., frt. alld..ton.50.00 - —
ton lots, ex whse....ton.61.00 - —
less ton lots, ex whse.ton.66.00 - —
bbls., c.l., frt. alld....ton.60.00 - —
ton lots, ex whse....ton.71.00 - —
less ton lots, ex whse.ton.76.00 - —
USP, $15 per ton higher.
Bordeaux mixt., dms., c.l., whse., works, frt. alld..lb. .11 - —
l.c.l., same basis.....lb. .11½- —
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies..lb. .21 - —
1,000 lbs., frt. alld. E. of Rockies..lb. .23 - —
single pkgs., same basis.lb. .28 - —
Brazilwood extract (see Hypernic).
Bromoform, USP, bots.....lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 4.85 - 6.25
Bronze powder, aluminum (see A).
Gold, litho., 100-lb. cns., dms., works..lb. .50 - .60
gold, moulding, 100-lb. cans, dms., same basis..lb. .80 - 1.00
printing ink, 100-lb. cns., dms., same basis..lb. .95 - 1.10
radiator, 100-lb. cns., dms., same basis..lb. .60 - .65
Broomtop, bls.....lb. .24 - .25
Brown, iron-oxide, pure, precip., cks., works..lb. .12 - —
Metallic, bbls., c.l., works.lb. .02½- —
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., works..lb. .06½- .08
pap. bgs., c.l., same basis. lb. .0225- —
Italian type, bbls., works. lb. .06¾- .09¾

Brown, sienna, raw, American, bbls., works..lb. .04 - .10
Italian type, bbls., works. lb. .09 - .10
Umber, burnt, American, bbls., works..lb. .06¾- —
Italian-type, bbls., works.lb. .04¾- —
Turkey-type, bbls., c.l., Boston, Bethlehem, Easton, Pa.; N. Y..lb. .04¾- —
St. Louis, Chicago, Indianapolis, New Orleans..lb. .05¼- —
Minneapolis .....lb. .0335- —
Pittsburgh .....lb. .05 - —
Los Angeles.....lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05½- —
ex whse., Los Angeles. lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05¾- —
Vandyke, reg., bbls., works.lb. .09 - —
special, bbls., works.....lb. .12 - —
Brucine, cns., 100 ozs.....oz. .39 - .42
Sulphate, cns., 100 ozs.....oz. .32 - .34
Bryonia root, bls.....lb. .55 - .60
Buchu leaves, bls. .....lb. .80 - .85
Buckthorn bark, bls. .....lb. .45 - .45
Berries, bgs. .....lb. 1.00 - 1.10
Burdock root, bls.....lb. .55 - .65
Burgundy pitch, dom., dms...lb. .14 - .16
Butane,[1] indust., tanks, Group 2. gal. .06½- —
Butyl acetate, normal,[1] ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss. R. lb. .23 - —
l.c.l., same basis...lb. .23½- —
tanks, same basis...lb. .22 - —
tankwagon, same basis. lb. .22½- —
other production, dms., c.l., same basis...lb. .21½- —
l.c.l., same basis....lb. .22 - —
tanks, same basis....lb. .20½- —
synthetic, dms., c.l., same basis..lb. .11½- —
l.c.l., same basis..lb. .12½- —
tanks, same basis...lb. .10¾- —
secondary,[1] dms., c.l., divd. E. of Miss. R..lb. .09½- —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .08½- —
Normal butyl acetate, W. of Miss. R., ½c. per lb. higher.
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works .....lb. .16½- —
tanks, works .....lb. .14½- —
Ether (see Ether, butyl).
Lactate, dms., works.....lb. .26½- —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. .41 - —
Oleate, ref., dms., l.c.l., works. lb. .35 - —
tech., dms., c.l., works....lb. .24 - —
l.c.l., works .....lb. .24½- .25½
Phenylacetate, dms. .....lb. 2.00 - 2.35
Phthalate (see Dibutyl phthalate).
Propionate, dms., divd.....lb. .16½- .17
tanks, divd. .....lb. .15½- —
Stearate, dms. .....lb. .31½- .35
Butyric ether, bots. .....lb. 6.50 - 6.90
cns., works .....lb. .65 - .70
dms., works .....lb. .60 - —

C

Cadmium bromide, bots.....lb. 1.84 - 1.91
jars .....lb. 1.65 - 1.70
Iodide, bots.....lb. 4.23 - —
cns. .....lb. 4.09 - —
Lithopone (see Yellow).
Metal,[6] ingots or sticks, divd. lb. 1.30 - 1.50
pat. shapes, cs., divd....lb. 1.35 - 1.55
Selenide (see Red).
Sulphide (see Yellow).
Caffeine,[1] dms., 100 lbs. or more, lb. 2.80 - 2.85
smaller lots.....lb. 2.95 - 3.25
anhydrous, dms., 100 lbs. or more..lb. 3.00 - 3.08
smaller lots.....lb. 3.15 - 3.45
Citrated, dms., 100 lbs. or more, lb. 1.95 - —
smaller lots.....lb. 2.05 - 2.30
Hydrobromide, bots.....lb. 5.29 - 5.97
Calabar beans, bgs., futures. lb. .65 - .66
Calamus root, natural, dom., bls. lb. .45 - .50
imported, bleached, bls..lb. .70 - .68
Calciferol, in corn oil, dms., 10,000 units or more, works, unit. .10 - —
1,000 to 10,000 units, works, unit. .11 - —
less than 1,000 units, works, unit. .12 - —
Calcium acetate, bgs., divd.... 100 lbs. 3.00 - 4.00
Arsenate, bgs., c.l., whse., wks., frt. alld..lb. .07½- .08
l.c.l., same basis.....lb. .08 - .08¼
Bromide, N.F., jars.....lb. .65 - .70
Carbide,[1] dms., c.l., works.ton.50.00 - —
divd. .....ton.67.00 -90.00
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars..lb. .28 - .30
flake, 77-80%, paper bgs., c.l., divd..ton.18.50 -35.00
l.c.l., divd.....ton.23.50 -45.00
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, 73-75%, dms., c.l., divd. ton.18.00 -34.50
l.c.l., divd.....ton.23.00 -44.50

Calcium chloride prices vary according to zone; minimum prices are for spot delivery. C.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags; drums, $3.50 per ton over paper bags.

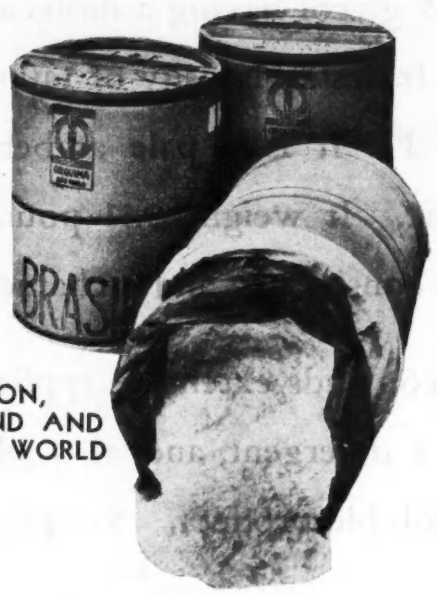
Cyanide, dms., delivered E. of Rockies..lb. .20 - .40
Gluconate, USP, gran., bbls.lb. .52 - —
dms. .....lb. .57 - .59
cns. .....lb. .70 - —
powd., 2c. per lb. lower.
Glutamate, kgs.....lb. 1.50 - —
Glycerophosphate, fiber dms., 1,000-lb. lots..lb. 1.25 - —
smaller lots.....lb. 1.40 - 1.60
Hypochlorite, dms., divd. E. of Rockies..lb. .22 - .26½
cans, in cases, same basis..lb. .3776- .4223
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls.....lb. .38 - .40
Laurate, bbls.....lb. .28 - .30
Mandelate, USP, dense, fluffy, works, dms..lb. 2.05 - 2.30
Naphthenate, 5% Ca, 50-gal. dms..lb. .25½- .29½
Panthothenate, doz., 100-gram bots, works..per gram. .10 - —
Phosphate, feeding grade, bgs., works..ton.75.00 - —
food grade, bbls., 10 or over, works..lb. .07 - .07¾
less than 10, works.....lb. .08 - .10
medicinal, dibasic, bgs..... 100 lbs.11.40 -18.00

BRAZIL SUPPLIES . . . . . .

PUREST

CAFFEINE

USP CRYSTALS AND ANHYDROUS



SEVEN LAYERS OF PROTECTION, SAFEGUARDING ANY OVERLAND AND SEA TRANSPORT ALL OVER THE WORLD

THEOBROMINE FRENCH CODEX

MENTHOL CRYSTALS USP

CHRYSAROBIN USP

COCOABUTTER USP XII

TRIRECTIFIED MINT OILS

ORQUIMA

ORQUIMA

INDUSTRIAS QUIMICAS REUNIDAS

158 RUA LIBERO BADARÓ

SÃO PAULO — BRASIL

METALLO-CHEMICAL CORPORATION

EXCLUSIVE SALES AGENTS FOR THE U.S.A.

117 LIBERTY STREET NEW YORK 6, N.Y.

Calcium phosphate, monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
l.c.l., frt. equald.....lb. .06 - .06½
tribasic, bbls., c.l., works..lb. .0635- —
bgs., l.c.l., works.....lb. .0645- .0680
Resinate, precip., 5.8% Ca, 100-lb. dms..lb. .18½- —
Silicate, hydrated, c.l., bgs., works..lb. .05½- —
l.c.l., works.....lb. .06 - —
Stearate, precip., ctns., 2,000 lbs. to c.l., works..lb. .29½- —
l.c.l., works.....lb. .30½- —
Sulphate (see Gypsum).
Sulphide, 76%, bgs., c.l., works. ton.45.00 - —
80%, bgs., c.l., works...ton.50.00 - —
luminous, tins, works....lb. 1.25 - —
Sulphocarbolate, bbls. .....lb. .49 - .50
Tallate, 3%-4% Ca, 50-gal. dms. lb. .13¼- .19½
Calcium-strontium sulphide, phosphorescent, dms., works.lb. 1.00 - 1.50
fine particle size, works. lb. 1.50 - 1.75
Calendula flowers, bls.....lb. 1.25 - 1.30
Calomel, bbls., dms.....lb. 2.44 - 2.45
Camphor, natural .....lb. No stocks
synth., tech., bbls., contract, 2,000 lbs. or more, works.lb. .42 - —
10 bbls. (1,500 lbs.).....lb. .44½- —
5 to 9 bbls. .....lb. .45 - —
1 to 4 bbls.....lb. .46 - —
smaller lots .....lb. .48 - .55
USP, gran., powd., bbls., 2,000-lb. lots..lb. .69 - —
1,000-lb. lots .....lb. .70 - —
smaller lots .....lb. .71 - —
tablets, 2,000-lb. lots....lb. .82 - —
1,000-lb. lots .....lb. .83 - —
smaller lots .....lb. .84 - —
Monobromated, dms.....lb. 2.20 - —
Canada balsam (see Fir balsam).
Cantharides, Russian, bgs.....lb. 9.00 - —
Chinese, cs.....lb. 7.00 - 7.25
powd., bxs.....lb. 7.50 - 7.75
Capsicum (see Pepper, red).
Capsicum oleoresin, USP VII, cns..lb. 4.50 - 4.65
Caramel coloring, bbls.....gal. .70 - 1.10
Caraway seed, California, Dutch type..lb. .25½- .28
Caraway seed, Canadian, bgs.lb. No stocks
Danish, bgs. .....lb. .26 - .26½
Dutch, bgs. .....lb. .25½- .26½
futures, bgs. .....lb. .26 - .26½
Spanish, dewhiskered, bgs..lb. No stocks
Swedish, bgs. .....lb. .23½- .24
Syrian, dewhiskered, bgs....lb. No stocks
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller lots, works.....lb. .80 - —
35%, dms., ton lots, works..lb. .75 - —
smaller lots, works.....lb. .85 - —
Carbinol, butyl, norm. dms., l.c.l., works..lb. .27 - —
secondary, dms., l.c.l., works. lb. .60 - —
Isobutyl, dms., c.l., works..lb. .22½- —
l.c.l., works .....lb. .23½- —
tanks, works .....lb. .21½- —
Methylisobutyl, dms., c.l., nearest delivery point buyer's works..lb. .11¾- —
l.c.l., same basis.....lb. .12¼- —
tanks, same basis.....lb. .10¾- —
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis. lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls. .....lb. .06 - .08
Tetrachloride,[1] c.p., dms., c.l. gal. .98 - —
l.c.l. .....gal. 1.04 - —
tech., Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l., frt. alld.....gal. 1.20 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .80 - —
l.c.l., frt. alld.....gal. .87 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.04 - —
l.c.l., frt. alld.....gal. 1.14 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. .96 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.13 - —
l.c.l., frt. alld.....gal. 1.23 - —
Zone 4, 52½-gal. dms., c.l., gal. .79 - —
l.c.l., frt. alld.....gal. .86 - —
5 or 10-gal. dms., c.l..gal. 1.06 - —
l.c.l. .....gal. 1.13 - —
USP, cbys.....lb. .17 .19

Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings.

Cardamom, bleached, pckd, cs., lb. 1.75 - 1.80
medium, cs.....lb. 1.55 - 1.60
decorticated, Guatemala, cs..lb. 1.35 - 1.40
India, cs.....lb. 1.35 - 1.40
green, Alleppey, bgs.....lb. 1.05 - 1.10
Carotene, cryst., 1,850,000 A units per gm., tins, works, 1,000,000 units. .50 - —
research grade (alpha, 10%; beta, 90%), amps. 100 grams, dlvd..gram. 2.85 - —
50 grams, dlvd.....gram. 2.90 - —
in vegetable oil, 250,000 USP units per gm., bots., works. lb.37.60 - —
50,000 USP units per gm., bots., works..lb. 8.43 - —
dms., works.....lb. 7.08 - —
3,000 A units per gm., tins, works, 1,000,000 units. .55 - —
dms., works..1,000,000 units. .50 - —
3,300 USP units per gm., dms., works..lb. .66 - .71
Carvol, bots. .....lb.14.75 -22.50
Cascara sagrada bark, bulk....lb. .40 - .42
Case-hardening mixture, 30% gran., dms., l.c.l..lb. .09¾- —
slabs, dms., l.c.l.....lb. .08¾- —
Casein, dom., acid-precip., bgs., 10,000 lbs. or more, ship't point..lb. No prices
2,000 lbs. or more, but under 10,000 lbs., same basis..lb. No prices
less than 2,000 lbs., same basis..lb. No prices
Casein, dom., rennet-precip., bgs., 10,000 lbs. or more, same basis..lb. No prices
2,000 lbs. or more, but under 10,000 lbs., same lb. No prices
less than 2,000 lbs.....lb. No prices
imp., acid-precip., ground, bgs., 100 bgs. or more..lb. No prices
rennet-precip., unground, 100 bgs. or more..lb. No prices
Cassia, Batavia No. 1, Thinquill bls..lb. .60 Nom.
No. 1, regular, bls.....lb. Nominal
shortstick, bls.....lb. .50 Nom.
broken, bls.....lb. .48 Nom.
China buds, bgs.....lb. .36 - .37
Kwangsi, broken, bls.....lb. .19 - .20
rolls, selected, cs.....lb. .21¼- .22
extra select, broken, bls..lb. .15½- .16
Saigon, all medium, futures..lb. .37½- .38
4-10-4, bls. .....lb. .40 - .44
Cassia fistula, bskts.....lb. .26 - .28
Castor bean,[1,7] bgs., c.i.f. first arrival point, U.S..long ton.165.00 - —
Oil (see Oil, castor).
Pomace,[1] bgs., c.l., works... unit-ton. 3.15 - 4.75
Castoreum, nat., cns.....lb. 8.00 -13.00
synthetic, cns. .....lb.10.00 -21.00
Catechol, CP, cryst., works, fib. dms., frt. alld..lb. 1.90 - —
resublimed, works, frt. alld., dms..lb. 3.25 - —
Catnep, bls. .....lb. .60 - .85
Celery seed, French, bgs.....lb. 1.00 Nom.
Indian, bgs. .....lb. .25 - .26
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .39 - —
granules, ctns., same basis.lb. .35 - —
Cellulose acetate-butyrate, flake, high (36.5%) butyryl content, 50-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,999 lbs., frt. alld..lb. .46 - —
50-lb. ctns., 100-900 lbs., frt. alld..lb. .47 - —
smaller pkgs., works..lb. .48 - —
medium (15.5 or 17.0%), 50-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld..lb. .44 - —
100-900 lbs., frt. alld..lb. .45 - —
smaller pkgs., works..lb. .46 - —

Granules are 5c. per lb. higher. all quantities.

Cellulose acetate-propionate, flake, high (31.5% propionyl content), 50-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works..lb. .48 - —

Granules are 5c. per lb. higher all quantities.

Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .30 - —
Cerium hydrate, dms., works..lb. 1.00 - —
Oxalate, NF, bbls., kgs., works, lb. .50 - .52
Oxide, optical grade, kgs., 100-lb. lots, works..lb. 1.50 - —
bgs., smaller lots, works.lb. 2.00 - —
Chalk, precipitated, cosmetic, dentifrice, and drug, bgs., c.l., works..lb. .02¾- —
paint and other industries, bgs., c.l., works..ton.40.00 - —
papermakers, bgs., c.l., works. ton.32.50 -40.00
Chalk, precipitated, rubbermakers, bgs., c.l., works..ton.30.00 - —
Chamomile, Hungarian type, cs., lb. .90 - .95
Roman, bls., futures.....lb. 1.55 - 1.60
Charcoal, hardwood, lump, bulk, c.l., works..ton.38.00 -39.50
bur, bgs., included, c.l., works..ton.41.50 -43.00
briquets, bulk, c.l., works.ton.44.50 -49.00
bgs., c.l., works.....ton.49.50 -50.50
granular, all grades, bgs., works..ton.46.50 -49.50
screenings, bgs., works...ton.31.20 -33.15
Pinewood,[7] lump, bgs., c.l., Southern shipping point.ton.20.00 -24.00
granular, powd., bgs., c.l., works, South..ton.32.20 -34.20
l.c.l., works.....ton.41.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, standard 25% tannin, bbls., c.l., works. 100 lbs. 3.82 - 4.60
l.c.l., works.....100 lbs. 4.07 - 4.85
tanks, works.....100 lbs. 3.22 - 4.00
powdered, 65% tannin, bags extra, c.l., works.100 lbs. 9.02 - 9.96
l.c.l., works....100 lbs. 9.77 -10.71
Chillies (see Pepper, Red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works....ton.16.00 - —
bulk, c.l., works.ton. 7.60 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works.ton.12.50 - —

Spot Deliveries

GUM ARABIC Clean Amber Sorts
Sphinx Brand

PHOSPHORIC ACID 75% Edible Food Grade
PHOSPHORIC ACID U.S.P. Syrupy
CALCIUM CARBIDE 14 N.D.
BORIC ACID
MAGNESIUM METAL POWDER High Purity
PHOSPHORUS Red Amorphous
HEAVY CALCINED MAGNESIUM White
COPPER SULPHATE
SODIUM PERBORATE U.S.P.
SODIUM HYDROSULPHITE

OTHER SPECIAL PRODUCTS

Distributors for THE RUFERT CHEMICAL COMPANY
NICKEL FORMATE • Also NICKEL CATALYST • NICKEL CARBONATE
NICKEL OXIDE, etc.

GOLWYNNE
CHEMICALS CORPORATION

420 LEXINGTON AVENUE • NEW YORK 17, N. Y. • PHONE LE 2-9740

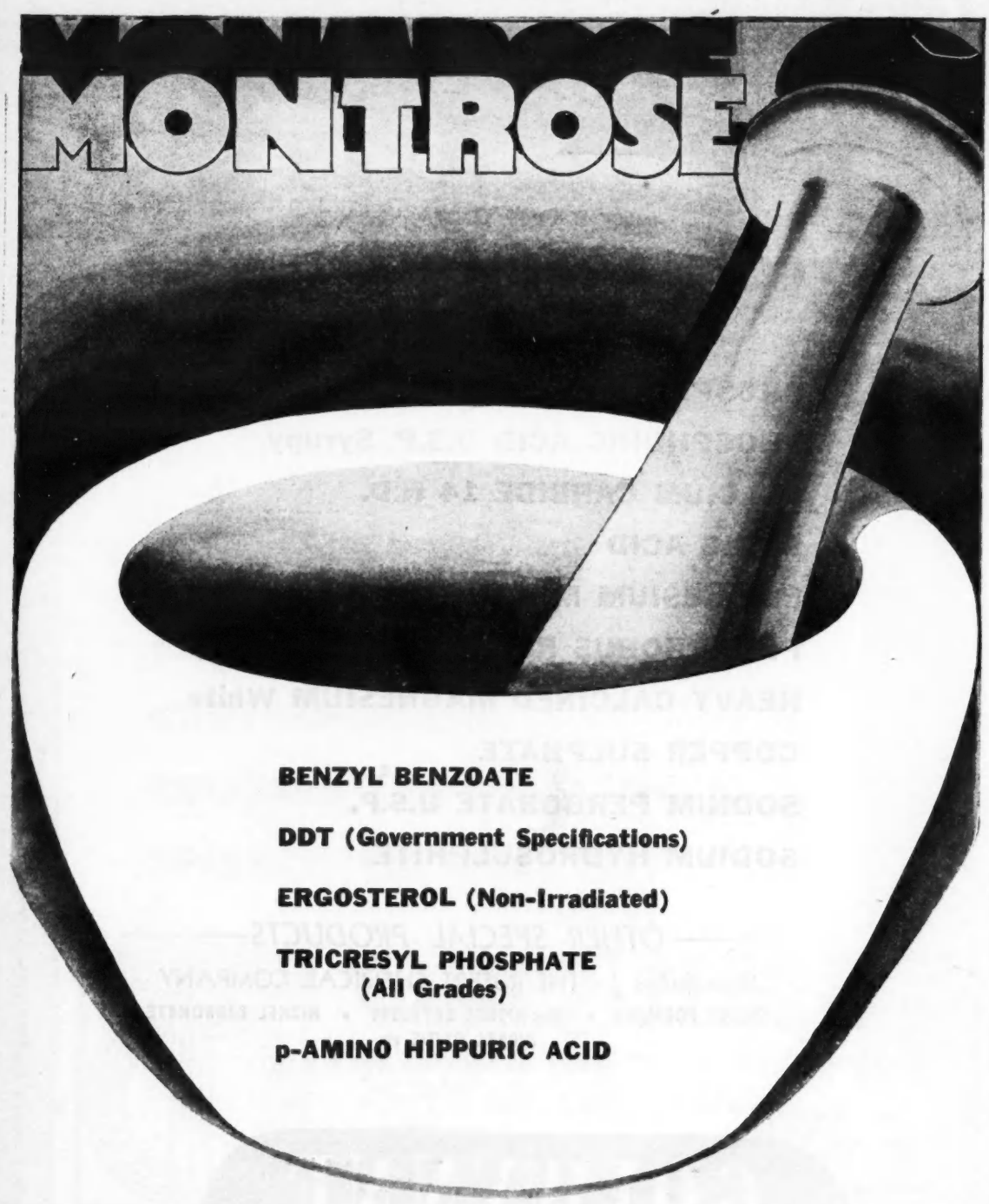
China clay, imported, white, lump, bulk, c.l., ex dock Balto, Boston, Norfolk, Phila..ton.19.00 -21.00
powd., cks., l.c.l., ex whse. ton.41.00 - —
Chloral hydrate, jars.....lb. .93 - .96
dms. .....lb. .90 - .95
Chlorinated rubber[4] standard, ctns., 100 lbs. up, works.lb. .82 - —
smaller lots, works.....lb. .85 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Chlorine, liquid, cyls., c.l....lb. .05½- —
contracts .....lb. .05¼- —
l.c.l. .....lb. .07½- —
tanks, single units, works, frt. equald..100 lbs. 1.75 - —
multiple units, 3 or over, works, frt. equald..100 lbs. 2.00 - —
2, wks., frt. equald.100 lbs. 2.50 - —
1, wks., frt. equald.100 lbs. 3.00 - —

Open market prices are 5 percent higher, according to OPA ceiling.

Chloroform, tech., dms.....lb. .20 - .26
USP, dms. .....lb. .30 - .33
Chloropicrin, com'l, 100 lb. cyl., 100-lb. cyls., same basis.lb. .32 - —
25-lb. cyls., ex whse.....lb. 1.00 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Choline chloride, 5b. dms., works. lb. 3.00 - 3.10
Dihydrogen citrate, fib. dms., works..lb. 3.00 - 3.10
Chrome acetate, powd., 23% Cr., bbls., works..lb. .32 - .34
ton lots, works..lb. .30 - .33
solut., 8%, bbls., cs.....lb. .07½- —
7½%, bbls., cs.....lb. .06½- .06¼
Fluoride, bbls., works.....lb. .24 - .27
Cake, bulk, c.l., works.....ton.16.00 - —
Oxide (see Green, chrome oxide).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, bots. .....lb. 6.02 - 6.09
Cinchona bark,[6] red, quill, USP, 16 in., cas..lb. 1.20 Nom.
Cinchonidine,[6] small, cryst., cns., 100 ozs..oz. No prices
Cinchonine[6] small, cryst., cns., 100 ozs..oz. No prices
large, cryst., cns., 100 ozs..oz. No prices
Sulphate, NF, cns., 100 ozs..oz. No prices
Cinchopen, NF, heavy, dms., works..lb. 2.70 - 3.80
standard, dms., works.....lb. 3.50 - 3.60
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., dms...lb. .88 - 1.15
Cinnamon, Ceylon, No. 2, bls..lb. No stocks
Citral, bots., cns.....lb. 7.25 - 9.00
Citronellal, bots., dms.....lb. No prices
Citronellol, bots., dms.....lb. 9.50 -12.50
Clove, Madagascar, bls.....lb. .13½- .14
futures, bls. .....lb. .13¾- .14¼
Zanzibar, bls. .....lb. .15½- .16
futures, bls. .....lb. .15¾- .16
Clover tops, red, dom., bgs....lb. .65 - .70
imported, bgs. .....lb. No stocks
Coaltar, coal-gas, crude, 50 gal., bbls., c.l., works..bbl. 8.25 - —
l.c.l., works .....bbl. 8.75 - —
tanks, works .....gal. .07½- .08½
refd., 50-gal., bbls., c.l., works, bbl. 8.75 - —
l.c.l., works .....bbl. 9.25 - —
tanks, works .....gal. .06½- .06¾
water-gas, crude, 55-gal. dms., c.l., works..bbl. 8.25 - —
l.c.l., works .....bbl. 8.75 - —
refd., 55-gal. dms., c.l., works. dm. 8.75 - —
l.c.l., works .....dm. 9.25 - —
Cobalt acetate, bbls., kgs., dlvd.. lb. .83¾- —
feed grade, 23¼% Co, kgs..lb. 1.25 - —
Carbonate, powd., bgs., works.. lb. 1.53 - —
feed grade, 49½% Co, kgs..lb. 1.85 - —
Chloride, kgs., works.....lb. .87½- —
feed grade, 24.5% Co, kgs..lb. 1.25 - —
Cobalt hydrate, bbls.....lb. 2.04 - —
feed grade, 62% Co, kgs....lb. 2.25 - —
Linoleate, paste, 5%, dms...lb. .32 - .35
solid, 8½%, dms.....lb. .44 - —
Nitrate, feed grade, 20.4% Co, kgs..lb. 1.25 - —
Oleate, bbls. .....lb. .44 Nom.
Oxide,[1] black, kgs.....lb. 1.84 - —
Phosphate, feed grade, 34% Co, kgs..lb. 1.75 - —
Resinate, precip., 7.5% Co, 100-lb. dms..lb. .36½- —
Soyate, 3%-3.5% Co, 50-gal. dms..lb. .42 - .44
Sulphate,[6] drus.....lb. .65 - —
feed grade, 21% Co, kgs....lb. 1.00 - —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland or New York.
Cobalt-ammonium sulphate, 14% Co, kgs..lb. .75 - —
Cocaine hydrochloride, 100-oz. lots, cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .46 - .47
silver, Teneriffe, bgs.....lb. .47 - .48
Cocoa butter,[1,7] bulk, ship. pt.lb. .33 - —
Cocillana bark, bgs.....lb. .53 - .54
Codeine, cns., 100 ozs.....oz. 11.70 - —
Hydrochloride, cns., 100 ozs.oz. 10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls.....lb. .24 - .25
blue, bls. .....lb. .24 - .25
Colchinine, bots., cns.....oz. No stocks
Colchicum seed.....lb. No stocks
Collodion, USP, dms.....lb. .19½- .20½
cns. .....lb. .23 - .29½
Flexible, USP, dms.....lb. .21 - .22
cns. .....lb. .25 - .31
Colocynth pulp, bls.....lb. .52 - .53
Colombo root, bls.....lb. .14 - .15
Coltsfoot leaves, bgs.....lb. .57 - .60
Condurango bark, bgs.....lb. .18 - .19
Copaiba balsam, Para, cns....lb. No stocks
S. A., USP, cns.....lb. .96 - 1.00
Copper acetate, cupric, bbls., works..lb. .35¾- —
smaller containers, wks..lb. .37 - —
Carbonate, 52-54%, bbls.....lb. .19½- .20¾
Chloride, anhyd., bbls.....lb. .22½- .23
crystals, bbls.....lb. .14¾- .17
Cyanide, tech., bbls.....lb. .34 - .38
Hydrate, dms.....lb. .22¾- —
Iodide, bots.....lb. .34 - .38
Metal,[1] electrolytic. .....lb. .14¾- —
Naphthenate, 8% Cu, 50-gal. dms..lb. .19 - —
Nitrate, tech., cryst., bbls..lb. .19½- .20½
Oleate, precip., bbls.....lb. .22½- .23½
Oxide, black, bbls., works...lb. .19 - .20
red, com'l, bbls., works....lb. .21 - .24½
Oxychloride-sulphate,[6] bgs...lb. .17 - .20
Resinate, precip., 8.5% Cu, 125-lb. dms..lb. .13½- —
Stearate, bgs., works.....lb. .35½- —
Sulphate,[1] 99%, cryst., bgs., c.l., works..100 lbs. 5.65 - —
l.c.l., 700 to 30,000 lbs.. 100 lbs. 5.90 - 6.15
monohydrated, dms., c.l., dlvd. 100 lbs. 10.10 - —
l.c.l., dlvd.....100 lbs. 10.85 - —
tribasic, bgs., works, c.l...lb. .17¾- —
l.c.l., same basis.....lb. .18¼- —
Copperas, cryst., gran., bgs., c.l., works..ton. 17.00 - —
l.c.l., works.....100 lbs. 1.55 - 2.00
bbls., c.l., works.....ton. 20.00 - —
bulk, c.l., works.....ton. 14.00 - —
Copra,[1,7] c.i.f. Pacific ports..ton. 110.25 - —
c.i.f. Atlantic or Gulf ports.. ton. 116.20 - —
Coriander seed, Argentine, bgs. lb. .06¼- .06¾
Indian bgs.....lb. No stocks
Italian, bgs. ,if released....lb. .06 - .06½
Morocco, bgs. .....lb. No stocks
Corn silk, bls.....lb. .45 - .46
Corn sugar, tanners, chipped, bgs., c.l., 60,000 lbs. min. 100 lbs. 5.466 - —
bbls., c.l., same basis.... 100 lbs. 5.569 - —
Syrup, 42°, bbls., c.l....100 lbs. 6.277 - —
l.c.l. .....100 lbs. 6.377 - —
Corrosive sublimate,[3] cryst., dms., 50 lbs. or more..lb. 2.07 - —
gran., powd., dms., 50 lbs. or more..lb. 1.92 - —
Cottonroot bark, bls.....lb. .40 - .45
Cottonseed hull ash, 32-36% pot-ash, bgs., dlvd..unit-ton. No prices
Meal, 41% protein, bulk, mills, c.l..ton. 90.00 - —
Coumarin,[1] cns., 5 lbs. or more.. lb. 2.75 - —
smaller lots.....lb. 2.90 - 3.10
Cramp bark, NF, bls.....lb. .80 - .90
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship't..lb. .45½- —
smaller lots, bbls., kgs., lb. .46 - .46½
Creosote carbonate, bots., cbys., lb. 2.10 - 2.30
Coaltar (see Cresol).
Oil,[2] coaltar, crude, tanks, works..gal. .15½- .16½
refined, dms., c.l., works, gal. .247 - .265
l.c.l., same basis....gal. .26 - .31
tanks, same basis....gal. .18 - .19½
solution, tanks, works....gal. .141 - .149
Wood, beech, bots., cbys.....lb. .85 - 1.04
Hardwood, N.F., bots., cbys.lb. .60 - .77
Pine, dms.....gal. .31 - .32
Cresol,[2] special resin grades, dms., c.l., works, frt. equald. lb. 10¼- .11¾
l.c.l., same basis.....lb. .10¼- .12¾
tanks, same basis.....lb. 09¼- .11½
USP, dms., c.l., same basis..lb. .11¼- .12¾
l.c.l., same basis.....lb. .11¾- .12¾
tanks, same basis.....lb. .10 - .11½
Croton aldehyde, 91-93%, 55 and 110 gal. dms., l.c.l., works lb. .13½- —
5 and 10-gal. dms. l.c.l. works..lb. .17 - —
Cryolite, nat.,[4] bgs., bbls., c.l., works..100 lbs. 9.50 - 9.75
bbls., l.c.l., works....100 lbs. 10.00 - —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss R..lb. .06½- —
l.c.l., works.....lb. .09¼- —
Cube root, 5% rotenone, bbls., works..lb. .45 - —
4% rotenone, bbls., works..lb. .36 - —
Cubeb berries, XX, bgs.....lb. 1.37 - 1.38
powd., cs.....lb. 1.47 - 1.48
Culvers root, bls.....lb. .40 - .45
Cumin seed, Cyprus, bgs.....lb. No stocks
Indian, bgs., futures.....lb. .43 - .45
Morocco, bgs. .....lb. No stocks
Persian, bgs., futures.....lb. .43 - .45
Syrian, bgs., futures.....lb. .43 - .45
Cutch, bgs. .....lb. No stocks
Cyanamide[5] fertilizer mixing grades, guaranteed 20.6% N., gran., bulk, Niagara Falls, Ont., centracts, bulk, unit-ton. 1.62½- —
21% N., pulv., bgs. same basis..unit-ton. 1.52½- —
Cyclohexane, tech., dms. c.l., works..lb. .10¼- —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09½- —
Cyclohexanol, 99%-100%, dms., works..lb. .21 - .23
Cyclohexanone, 97½% min. dms., c.l., works..lb. .30 - .32
tech., dms., c.l., works....lb. .30 - —
l.c.l., works.....lb. .30½- —
tanks, works.....lb. .29 - —
Cyclopropane, USP, cyls. divd., gal. .27 - —

D

Damiana leaves, bls.....lb. .35 - .40
Dandelion root, bls.....lb. .75 - .80
DDT, fiber, dms., c.l., works..lb. .45 - —
ton lots, works.....lb. .50 - —
tins, smaller lots, works...lb. .53 - .60
Decanol, normal, tech., dms., dlvd..lb. .35 - —
Deertongue, bls. .....lb. .34 - .35
Defluorinated phosphate,[1] paper bgs., works..ton. 35.75 - —
Degras,[1] common, bbls. .....lb. .10 - .12
neutral, less 2% ffa, bbls....lb. .22 - .24
over 2% ffa, bbls.....lb. .21 - .23
Derris root (see Cube root).
Dextrin,[1] British gum, bgs., c.l. 100 lbs. 6.901 - —
l.c.l. .....100 lbs. 7.001 - —
Chicago, bgs., c.l....100 lbs. 6.50 - —
Corn, canary, bgs., c.l..100 lbs. 6.641 - —
l.c.l. .....100 lbs. 6.741 - —
Chicago, bgs., c.l..100 lbs. 6.24 - —
dark, bgs., c.l.....100 lbs. 6.741 - —
l.c.l. .....100 lbs. 6.841 - —
Chicago, bgs., c.l...100 lbs. 6.34 - —
white, bgs., c.l.....100 lbs. 6.491 - —
l.c.l. .....100 lbs. 6.591 - —
Chicago, bgs., c.l...100 lbs. 6.09 - —
Dextrin prices above are for paper bags; cotton bags quoted 20c. higher.
Potato, dom., bgs., c.l.....lb. .10 - .10¼
l.c.l. .....lb. .10½- .11
Diacetone (see Alcohol, diacetone).



BENZYL BENZOATE

DDT (Government Specifications)

ERGOSTEROL (Non-Irradiated)

TRICRESYL PHOSPHATE
(All Grades)

p-AMINO HIPPURIC ACID

MONTROSE Chemical Company
LISTER AVENUE, NEWARK, NEW JERSEY
SELLING AGENTS R. W. GREEFF & CO., INC. 10 ROCKEFELLER PLAZA, NEW YORK, N.Y.
TRIBUNE TOWER, CHICAGO, ILLINOIS

Diacetyl, flavor grades, bots...lb. 5.20 - 5.55
laboratory grade, bots. .....
100 grams. 4.50 - —
tech., bots., works..... ....lb. 3.00 - —
Diamyl ether (see Amyl ether).
Phthalate, dms., tanks.....lb. No prices
Diatomaceous earth, dom., CP, bgs., c.l., Atlantic coast..lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
nat., bgs., c.l., Pacific coast.
ton.22.00 -25.00
l.c.l., ex whse.....ton.45.00 - —
purified, bgs., c.l., Atlantic coast..ton.55.00 -59.00
l.c.l., ex whse.....ton.85.00 -90.00
imported, Algerian, bgs., c.l., Atlantic coast..ton. No prices
Mexican, white, bgs., c.l., Atlantic coast..lb. .03 - —
l.c.l. .....lb. .06 - —
Dibutyl, phthalate,[1] 5-gal. cns., works..lb. .2960- —
1-gal. cns., works.....lb. .3160- —
dms., c.l., works.....lb. .2000- .2510
l.c.l., works.....lb. .2050- .2560
tanks, works.....lb. .1900- .2410
Sebacate,[1] dms., c.l., works..lb. .5570- —
l.c.l., works.....lb. .5620- —
tanks, works.....lb. .5470- —
Tartrate, dms., works, frt. alld. lb. .92 - 1.02
Dibutylamine, dms., c.l., works..lb. .06 - —
l.c.l., works.....lb. .09 - —
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether,[2] purified, dms., c.l., works, frt. equald with So. Charleston..lb. .16 - —
l.c.l., same basis.....lb. .17 - —
tanks, same basis .....lb. .15 - —
Diethanolamine,[3] dms., c.l., frt. alld. in E..lb. .22½- —
l.c.l., same basis.....lb. .24½- —
tanks, same basis.....lb. .22½- —
Diethyl carbonate, com'l, dms..lb. .3585- —
refd., 90%, dms.....lb. .80 - —
Oxalate, dms., c.l., dlvd....lb. .30½- —
l.c.l., dlvd. .....lb. .31 - —
Phthalate,[4] dms., c.l., dlvd..lb. .21½- —
tanks, dlvd. .....lb. .20½- —
Sulphate, dms., c.l., works..lb. .14 - —
l.c.l., works.....lb. .15 - —
tanks, works.....lb. .13 - —
Diethylamine, dms., c.l., works.lb. .44 - —
l.c.l., works.....lb. .46 - —
tanks, works.....lb. .40 - —
Diethylaminoethanol, dms l.c.l., works, frt. alld. E. of Miss. R..lb. .75 - —
Diethylaniliin, dms.... .....lb. .40 - —
Diethyleneglycol, dms., c.l., frt. alld. in E..lb. .14 - —
l.c.l., same basis.....lb. .15 - —
tanks, same basis.....lb. .13 - —
Monobutylether, dms., c.l., works..lb. .22 - —
l.c.l., works.....lb. .23 - —
tanks, works.....lb. .21 - —
Monoethylether, dms., c.l., wks. lb. .15½- —
l.c.l., works.. .....lb. .16½- —
tanks, works.....lb. .14½- —
Digitalis leaves, dms.....lb. 1.05 - 1.15
Digiycol laurate, dms.....lb. .31 - .32
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l... .....lb. .23 - —
Dihydroxydichlorodiphenylmethane, dms., works of N.Y. met..lb. .95 - 1.00
smaller containers, same basis lb. 1.05 - 1.40
Di-isobutyl ketone, dms. works. lb. .19 - —
Dilleed, decorticated, bgs.....lb. .14½- .15
dewhiskered, bgs. .....lb. .10½- .11
Dimethyl phathalate, dms., c.l., dlvd..lb. .20 - —
l.c.l., dlvd.....lb. .20½- —
tanks, dlvd.....lb. .19 - —
Dimethylene, anhyd., cyl., frt. alld. E. of Miss., 100% basis. lb. .37½- —
solution, dms., works, frt. alld. E. of Miss., 100% basis..lb. .37 - .47½
tanks, same basis.....lb. .36 - —
Dimethylanilin, dms., c.l.....lb. .21 - —
l.c.l. .....lb. .22 - —
Dinitrobenzene, bbls.....lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.... .....lb. .16 - —
oily, dms.....lb. .05 - —
Diorthotolylguanidin, dms., ton lots, dlvd..lb. .44 - —
smaller lots, dlvd.....lb. .46 - .47
Dioxan, dms., c.l., frt. alld..lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, destructive dist., dms., dlvd. E..gal. .70 - .71
tanks, dlvd. E.....gal. .60 - .61
steam-dist., dms., dlvd. E..gal. .71 - .75
tanks, dlvd. E.....gal. .62 - .66
Diphenyl,[6] bbls., c.l., works...lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .43 - .55
dms. .....lb. .43 - .45
Diphenylamine, bbls... .....lb. .25 - —
Diphenylguanidin, dms., tons..lb. .35 - —
smaller lots.....lb. .36 - .37
Divi-divi,[1,5] 42% tannin, c.l., U.S. ports, ex dock..ton.70.00 -71.00
30% tannin, c.l., same basis... ton.68.00 -69.00
Doggrass root, dom., cut, bls.lb. .30 - .35
imp., NF, cut, bls.....lb. .48 - .50
Dogwood, Jamaica, bark, bls..lb. .12 - .14
Dover's powder, USP, cns....lb. No stocks
Dragon's blood, drops, cs..... .55 - .60
reeds, cs.....lb. No stocks
Dyes, coaltar (certified colors for foods, drugs and cosmetics), 5-lb. lots—
Blue, FD&C, No. 1, cns....lb.13.00 - —
Green, FD&C, No. 1 cns....lb.13.00 - —
No. 2, cns.....lb.17.00 - —
No. 3, cns.....lb.27.00 - —
Orange, FD&C, No. 1, cns..lb. 2.80 - —
No. 2, cns.....lb. 3.55 - —
Red, FD&C, No. 1, cns.....lb. 5.75 - —
No. 2, cns.....lb. 3.05 - —
No. 3, cns.....lb.17.00 - —
No. 4, cns.....lb. 5.50 - —
No. 32, cns.....lb. 4.05 - —
Yellow, FD&C, No. 1 cns..lb. 8.00 - —
No. 3, cns.....lb. 2.55 - —
No. 4, cns.....lb. 2.55 - —
No. 5, cns.....lb. 3.05 - —
No. 6, cns .....lb. 3.05 - —
Dyes, coaltar (certified colors for drugs and cosmetics), 1-lb. lots—
Black, D&C, No. 1, cns....lb. 8.25 - —
Blue, D&C, No. 4, cns.....lb.12.25 - —
Brown, D&C, No. 1, cns.....lb.12.25 - —
Green, D&C, No. 5, cns.....lb.12.25 - —
No. 6, cns.....lb.12.25 - —
Orange, D&C, No. 3, cns....lb. 8.25 - —
No. 4, cns.....lb.15.25 - —
No. 10, cns.....lb.15.25 - —

Dyes, coaltar (certified colors for drugs and cosmetics), 5-lb. lots—
Red, D&C, No. 6, cns.....lb. 2.65 - —
No. 17, cns.....lb. 3.35 - —
No. 18, cns.....lb.15.35 - —
Yellow, D&C, No. 7, cns....lb. 3.35 - —
No. 8, cns.....lb. 3.35 - —
No. 11, cns.....lb.10.35 - —
No. 19, cns.....lb.15.35 - —
No. 22, cns.....lb. 3.35 - —
No. 33, cns.....lb.12.35 - —
No. 37, cns.....lb.12.35 - —
Dyes, coaltar (certified colors for external use drugs and cosmetics), 1-lb. lots—
Blue, Ext. D&C, No. 1, cns...lb.12.35 - —
Green, Ext., D&C, No. 1, cns. lb. .12.35 - —
Red, Ext. D&C, No. 1, cns...lb.10.35 - —
No. 3, cns .....lb.21.85 - —
No. 8, cns .....lb. 7.85 - —
No. 10, cns.....lb.12.35 - —
No. 13, cns.....lb.12.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—
Yellow, Ext. D&C, No. 1, cns., lb. 3.35 - —
86 Chrome yellow, 2G...lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
58 Victoria violet .....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A.....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste..lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
202 Chrome blue black U.lb. .35 - .42
204 Chrome black A.....lb. .42 - .45
208 Fast red blue R.....lb. .73 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
280 Fast cyanin 5R.....lb. .90 - 1.00
290 Chrome black F.....lb. .85 - .88
304 Paper yellow .....lb. .88 - .90

Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—
307 Fast cyanin black B.lb. .80 - .85
326 Direct fast scarlet...lb. 2.00 - 2.25
366 Chyrophenin G.....lb. .58 - .70
382 Direct scarlet B.....lb. 1.15 - 1.20
387 Direct violet B.....lb. 1.00 - 1.30
394 Direct violet N.....lb. .80 - .85
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .66 - .70
415 Direct orange B.....lb. .60 - .70
419 Direct fast red F....lb. .70 - .73
420 Direct brown M.....lb. .55 - .57
448 Benso purpurin 4B...lb. .65 - .68
465 Benso purpurin 10B..lb. .40 - .50
502 Direct azorin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.20 - 1.30
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF.lb. .55 - 1.00
551 Direct black EW.....lb. .50 - .54
552 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .50 - .55
594 Direct green G.....lb. .50 - .55
596 Direct brown 2GO....lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Frimulin .....lb. .70 - .73
814 Direct fast yellow....lb. 2.00 - 2.25
945 Nigrosin (water soluble). lb. .35 - .50
1177 Indigo, 20%, paste....lb. .15 - .18
Benso fast black L.lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .45 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur tan.....lb. .30 - .50
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80

Dyes, coaltar, for stains, oil-soluble (prices E. in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
865 Nigrosin derivatives..lb. .36 - .44
Blue—
7075 Alizarin astral base..lb.15.00 - —
1073 Alizarin cyanin, green base..lb. 6.00 - —
Brown—
Brown, oil soluble.....lb. 1.15 - —
Green—
1078 Alizarin cyanin green base..lb. 5.00 - —
Orange—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —
Red—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
680 Oil violet.....lb. .60 - —
749 Rhodamine B (oil pink). lb. 2.50 - —
1060 Anthraquinone, violet base..lb.36.00 - —
Yellow—
16 Amidoazobensene yellow. lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB.....lb. 1.40 - 2.00

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
246 Naphthol blue black S.. lb. .50 - —
720 Victoria blue B.....lb. 1.85 - —
861 Indulin .....lb. .87 - —
873 Methylene gray.....lb. 1.50 - —
900 New blue F.....lb. 1.20 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —

Calco can now make prompt deliveries of ...MANDELIC ACID USP...CALCIUM MANDELATE USP

CALCO is happy to announce that at long last material and production difficulties have been overcome, and prompt deliveries can now be made on Mandelic Acid, USP and on Calcium Mandelate, USP.

It is hoped that similar announcements can be made in the near future relative to other items now in short supply. Gradually the difficulties created by the coal, steel and railroad strikes are being overcome. Additional facilities are being built as rapidly as the shortage of building materials, equipment and manpower permit. In the meantime, your understanding and patience are appreciated.

For your supplies of drugs and pharmaceuticals of uniform and trustworthy quality, always look to CALCO.

Precise and complete analytical control.

Technical bulletins available upon request.

A technical service ready to assist in application problems.

CALCO'S BULK PHARMACEUTICALS

SULFADIAZINE U. S. P. (powder or micro crystal)

. . . the Sulfa drug of choice

Sodium Sulfadiazine U. S. P.

Sulfamerazine

Sodium Sulfamerazine

Sulfanilamide, U. S. P. (powder, crystal and micro crystal)

Sulfathiazole U. S. P. (powder, crystal and micro crystal)

Sodium Sulfathiazole U. S. P.

Sulfapyridine U. S. P.

Sodium Sulfapyridine

Aminoacetic Acid U. S. P.

Calcium Pantothenate (Dextro)

Choline Chloride

Choline Dihydrogen Citrate

Cinchophen N. F. (and Sodium Salt)

Neocinchophen U. S. P.

Mandelic Acid U. S. P. (and Calcium Salt)

Menadione U. S. P.

Methylene Blue U. S. P. (powder or crystals)

Nicotinic Acid U. S. P.

Nicotinamide U. S. P.

Saligenin

Thiouracil

Phenothiazine N. F. (Regular and Drench grades for Veterinary use)

Certified Colors for Pharmaceutical and Cosmetic Use.

Pharmaceutical Department

Calco

REG. U. S. PAT. OFF.

CALCO CHEMICAL DIVISION
AMERICAN CYANAMID COMPANY
Bound Brook, New Jersey

Represented in Canada by Calco Chemical Division
North American Cyanamid, Limited

P. O. Box 10, St. Lambert
Montreal 23, P. Q.

Royal Bank Bldg.
Toronto 1, Ontario

Dyes, coaltar, for stains, spirit-soluble (prices E. in barrels of 250 lbs. each; 25-lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Blue—
714 Patent blue A.....lb. 1.05 - 1.10

Brown—
231 Bismarck brown G...lb. .47 - .62
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R. lb. .66 - —
632 Bismarck brown R...lb. .47 - .63
798 Phosphin .....lb. 4.65 - —

Green—
5 Naphthol green B.....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green .. ....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.. .....lb. .58 - —
924 Methylene green B....lb 1.55 - —
1078 Alizarin cyanin green..lb. 2.00 - —

Orange—
10 Chrysodin G.... .....lb. .44 - —
21 Chrysodin R.....lb. .41 - —
27 Orange G.....lb. .50 - —
31 Amidonaphthol red G..lb. .42 - —
37 Amidonaphthol red 6B.lb. .68 - —
151 Orange Y.....lb. .31 - .33
161 Orange R..... .....lb. .34 - —

Red—
79 Ponceau R.....lb. .48 - —
88 Fast red B.....lb. 1.65 - —
176 Fast red A..... ....lb. .54 - —
179 Azorubin .....lb. .60 - —
183 Crocein scarlet 3BX....lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M....lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B..... ....lb. 3.50 - —
752 Rhodamine 6B.....lb. 4.50 - —
768 Eosin G..... .....lb. 1.50 - —
841 Safranin ....lb. 1.45 - —

Violet—
680 Methyl violet B. .....lb. .70 - .75
681 Crystal violet B.....lb. 1.75 - —
695 Acid violet 4BN ....lb. .68 - —

Dyes, coaltar, for stains, oil-soluble (prices E. in barrels of 250 lbs. each; 25 lbs lots and up, 3c. per lb. higher, sellers' works or warehouse).

Yellow—
10 Naphthol yellow S.....lb. .33 - —
138 Metanil yellow.....lb. .56 - .58
636 Fast light yellow.....lb. 1.25 - —
639 Xylene light yellow....lb. 1.15 - —
640 Tartrasin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —

Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; 25-lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Black—
864 Nigrosin .....lb. .36 - .44

Blue—
860 Indulin .....lb. .60 - .70

Brown—
331 Bismarck brown.....lb. 1.50 - —

Green—
637 Malachite green base..lb. 2.00 - —

Orange—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .96 - —

Red—
677 Fuchsin, magenta, base.. lb. 7.25 - —
749 Rhodamine R.....lb. 4.75 - —

Yellow—
67 Amidoazotoluene yellow— lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS.....lb. 2.00 - —

Violet—
680 Methyl violet base.....lb. .35 - —

Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .70 - .75
Egg,[1,7] albumen (see Albumen).
Yolk,[1,7] dried, dom., bbls....lb. 1.10 - 1.16
imported .....lb. No stocks
Elder flowers, bright, bls.....lb. .34 - .35
Elecampane root, bls.....lb. .45 - .50
Elm bark, grinding, bls.....lb. .35 - .38
powd., bbls., bxs.....lb. .55 - .58
select, bndls.....lb. .55 - .58
Emetine hydrochloride, bots...oz.53.50 -54.00
Ephedra, bls.....lb. .28 - .30
Ephedrine, natural, USP, anhydrous, bots..oz. 1.15 - 1.65
Hydrochloride, tins.....oz. .95 - 1.45
Sulphate, tins.....oz. .95 - 1.45
100 ozs..oz. .65 - —
synthetic, USP, anhydrous, bots. hydrous, bots., 100 oz..oz. .65 - —
Hydrochloride, tin. 100 ozs.oz. .50 - —
Sulphate, cryst., tins, 100 ozs. oz. .48 - —
Epinephrine, synth., USP, bots.. gram. .70 - .95
Epsom salt, tech., cryst., bgs., s.l..100 lbs. 1.80 - 1.95
l.c.l. .....100 lbs. 2.15 - 2.40
dried, bgs.....lb. .03½- —
l.c.l., bgs.....lb. .04 - .07
USP, cryst., bgs., l.c.l.100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l. .....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
kgs., smaller lots..100 lbs. 2.85 - —

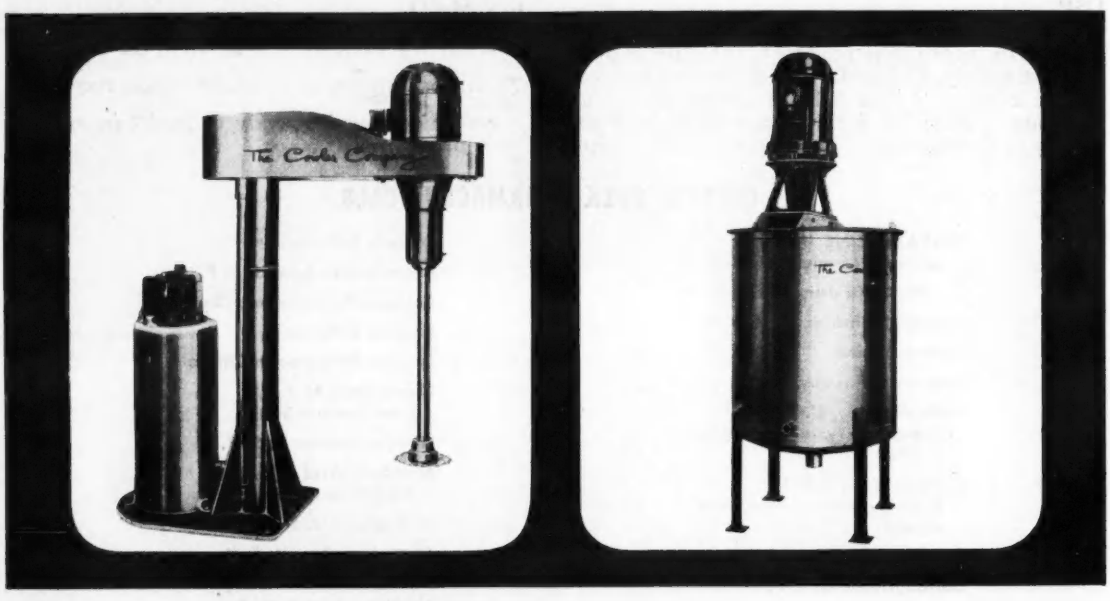
Epsom salt prices freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.

Ergot, USP, cns.....lb. 1.55 - 1.60
Eserine, bots.....oz. No prices
Sulphate, bots.....oz.65.00 - —
Ether, acetic (see Ethyl acetate).
Amyl (see Amyl ether).
Butyl, l.c.l., dms., divd.....lb. .30 - —
Ethyl (see Ether, sulphuric).
Nitrous, cons., bots., 100 lbs..lb. .93 - 1.16
Sulphuric, cons., dms.....lb. .11 - .16
USP anesthesia, hospitals, 1-lb. cns..lb. .60 - .61
Synthetic, dms., c.l., frt. alld. lb. .11 - —
l.c.l., same basis.....lb. .12 - —
tanks, same basis.....lb. .09 - —
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld..lb. .1548- —
l.c.l., frt. alld.....lb. .1598- —
tanks, frt. alld.....lb. .1448- —
95-96%, dms., c.l., frt. alld. lb. .1607- —
l.c.l., frt. alld.....lb. .1657- —
tanks, frt. alld.....lb. .1507- —
99%, dms., c.l., frt. alld.lb. .1626- —
l.c.l., frt. alld.....lb. .1676- —
tanks, frt. alld.....lb. .1526- —
N.F., dms.....lb. .14½- .15½
synthetic, 85-90%, dms., c.l., frt. alld..lb. .09½- —
l.c.l., frt. alld.....lb. .10 - —
tanks, frt. alld.....lb. .06½- —
95-98%, dms., c.l., frt. alld. lb. .09¾- —
l.c.l., frt. alld.....lb. .10¾- —
tanks, frt. alld.....lb. .06½- —
Acetoacetate, dms., c.l., works. lb. .37½- —
l.c.l., frt. alld.....lb. .38 - —
Benzoate, bots.....lb. .50 - .52
B-ethoxy propionate, dms., works..lb. .70 - —
Bromide, tech., dms.....lb. .50 - .55
Carbamate, dms., divd. E...lb. .58 - —
Chloride, tech., dms.....lb. .18 - .20
USP, bbls., cyl.....lb. .20 - .22
Cinnamate, cns. .....lb. 2.65 - 3.60
Formate, dms., Agnue, Calif.lb. .26 - .32
Iodide, bots.....lb. 3.50 - 3.60
Lactate, dms., works.....lb. .33½- .39½
Myristate, dms., works.....lb. .55 - —
Oenanthate, dms.....lb. 1.10 - 1.15
Oleate, dms., l.c.l., works..lb. .47 - —
Oxalate, dms., frt. alld.....lb. .33 - —
Silicate, dist. (see Tetraethyl orthosilicate).
40% available SiO_2, dms., works..lb. .50 - —
Ethylcellulose, pkgs., 5,000 lbs. or more, works..lb. .50 - —
smaller lots, works.....lb. .52 - .60
Ethyldiethanolamine, dms., l.c.l., works..lb. .80 - —
Ethylene, dichloride, dms., c.l., works, frt. alld. E. of Rockies..lb. .0842- —
West of Rockies..lb. .0891- —
l.c.l., works, frt. alld. E. of Rockies..lb. .0891- —
West of Rockies..lb. .0941- —
tanks, frt. alld. E. of Rockies, lb. .0742- —
West of Rockies..lb. .0792- —
Trichloride (see Trichloroethane).
Ethyleneglycol, dms., c.l., frt. alld. in E... .10 - —
l.c.l., same basis.....lb. .11 - —
tanks, same basis.....lb. .09 - —
Monobutylether, dms., c.l., wks. lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16½- —
Monoethylether, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Monoethylether acetate, dms., c.l., works..lb. .13½- —
l.c.l., works.....lb. .14½- —
tanks, works.....lb. .12½- —
Monomethylether, dms., c.l., works..lb. .16½- —
l.c.l., works.....lb. .17½- —
tanks, works.....lb. .15½- —
Ethylethanolamine, dms., c.l., wks. lb. .57 - —
l.c.l., works .....lb. .60 - —
Ethylmonoethanolamine, l.c.l., dms., works..lb. .80 - —
Ethylmorphine, hydrochloride, bots..oz.10.50 -10.75
Ethylvanillin,[1] cns., 5 lbs. or more..lb. 5.25 - —
smaller lots .....lb. 5.30 - 5.40
Eucalyptol, cns., dms.....lb. 2.65 - 3.25
Eucalyptus leaves, bls.....lb. .14 - .15
Eugenol, pure, USP XII.....lb. 2.60 - 3.25
Euphorbia, bls. .....lb. .20 - .22

F

Feldspar, enamel, 100 mesh..ton.17.00 -20.50
bulk, c.l. .....ton.14.00 -17.50
glass, 20 mesh, bgs., works, min. 2 tons..ton.12.75 -16.25
bulk, c.l. .....ton. 9.75 -12.25
pottery, bgs., l.c.l., works, min. 2 tons..ton.20.00 22.00
bulk, c.l., works.....ton.17.00 19.00
Fennel seed, Argentine, bgs., futures..lb. .15½- .16
Indian, bgs., afloat.....lb. .15 - .15½
Fenugreek, domestic, futures, bgs., source..lb. .09 - .09¾
Indian, bgs. .....lb. .09 - .09¾
Morocco, bgs. .....lb. .09½- .10
Ferric sulphate (see Iron sulphate, ferric).
Film scrap, colored, cs., works.lb. .13½- .15
water-white, cs., works.....lb. .14½- .17
Fir balsam, Canada, cns.....gal.20.00 -20.25
Oregon, bbls. .....gal. 2.65 - 2.70
Fishberries, bgs. .....lb. .24 - .25
Fishliver oils (see Oil, fishliver).
Fishmeal,[1,7] grd., 60% protein, bgs., E. works..ton.89.50 - —
65% protein, bgs., E. works. ton.95.50 - —
Fishscrap,[1,7] dried, 60% protein, bulk, East coast..ton.84.00 - —
Flake white, bbls.....lb. .09 - —
kegs .....lb. .11 - —
Fleaseed, black, bgs.....lb. .55 - .60
Blonde, bgs.....lb. .31 - .33
Fluorspar,[1] No. 1, ground, 95-96% CaF_2, bulk, c.l., mines, net ton.37.00 - —
washed, gravel, 70% or more CaF_2, c.l., bulk, mines. ton.33.00 - —
65%, c.l., bulk, mines....ton.32.00 - —
60%, c.l., bulk, mines....ton.31.00 - —
less than 60%, c.l., bulk, mines..ton.30.00 - —
Formaldehyde,[1] bbls., c.l., works, lb. .0520- —
l.c.l., works .....lb. .0570- —
dms., extra, c.l., works.....lb. .0460- —
l.c.l., works .....lb. .0510- —
tanks, works .....lb. .0630- —
tanktrucks, divd., N.Y.C.....lb. .0345- —
Fringetree bark, bls.....lb. .75 - .76

Now—dissolve or disperse 25 minutes to 10½ hours faster



COWLES DISSOLVER

the high-speed machine with molecular-scrubbing action

Two to twenty times faster than conventional mixers, the scientifically designed impeller of the Cowles Dissolver turns at a high rate of speed. It sets up components of laminar flow, resulting in interface shear between multiple surfaces of molecular thickness, each moving at a rate different from its neighbors. The high velocity gradients of these laminae subject every particle of the materials being treated to molecular tensions and scrubbing, greatly accelerating the dissolving or dispersing action, holding undissolved residues to low levels and producing more homogenous mixtures. High viscosities improve the dissolving and dispersing action.

Safe, Silent, Long-Wearing

Sound design and rugged structure . . . plus finely machined materials of high physical properties . . . all assure maximum life with minimum maintenance requirements. A high degree of static and dynamic balance has been achieved in the rotating parts, eliminating noise, vibration, splash and dead spots. Turbulence and aeration are thus held at low levels, though controlled aeration can be had if desired.

Models With or Without Tanks

In two models—with built-in tanks in capacities of 100 gallons, 250 gallons and 500 gallons, or for use in tanks brought to the machine. Motor speed and horsepower adjusted to the need. Explosion-proof motors on special order. Write for descriptive folder, or ask for a technical representative to call.

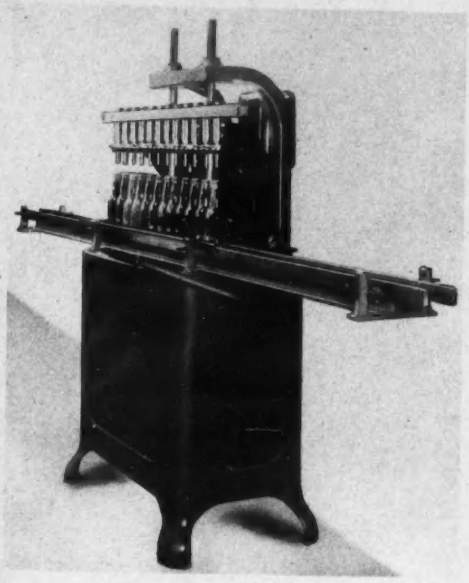
5 Years of Commercial Test Show Cowles Dissolver Up to 10½ Hours Faster on Typical Operations

Type Operation	*Material*	*Cowles Dissolver*	*Standard Mixer*
Gum Cutting	Rosin	1½ Hrs.	12 Hrs.
Synthetic resin dissolving	Vinylite	1 Hr.	6 Hrs.
N/C solution	Nitrocellulose	12 Min.	90 Min.
Tinting	Enamel	5 Min.	30 Min.
Pigment dispersion	Heavy enamel	6 Min.	150 Min.
Coating suspension	H. T. Clay	1 Hr.	9 Hrs.

The Cowles Company Cayuga, N. Y. Associate: Alexander Fleck, Ltd., Ottawa, Ont.

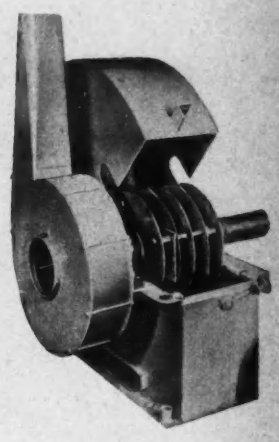
FASTER SHIPMENTS on all NEW FMC EQUIPMENT

Improving conditions as to materials and labor enable us to offer much faster shipments on the FMC line of New Equipment. Quotations on request.

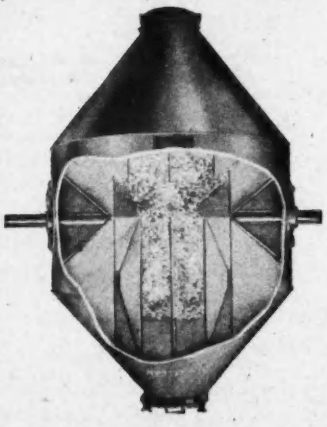


FMC VACUUM FILLER in Stainless or Bronze plated; will fill containers up to Gallons, any finish opening; highly adjustable; one operator 40-50 per minute.

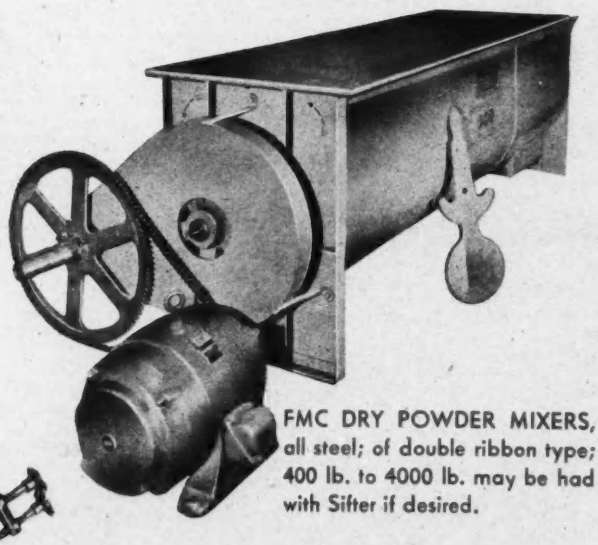
FMC SYPHON FILLERS, rotary or straight line operation; hundreds now in use all over the world; will fill up to gallons.



FMC PULVERIZER, or Hammer Mill or Granulator; swinging hammers with screen regulation of mesh; tremendous capacity; two sizes available.



FMC TUMBLING BATCH MIXERS from 1 cu. ft. to 60 cu. ft.; furnished complete with frame and drive and motor if desired.



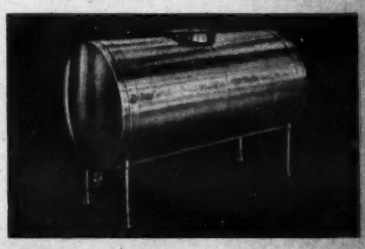
FMC DRY POWDER MIXERS, all steel; of double ribbon type; 400 lb. to 4000 lb. may be had with Sifter if desired.

STAINLESS STEEL EQUIPMENT

FMC Portable agitators, high speed or geared head motors; shafts and props. in sizes desired.

FMC Portable Cap Tighteners for all sizes up to 70 MM.

FMC BELT CONVEYOR in any width or length; variable speed; furnished with or without work boards.



FMC STAINLESS STEEL KETTLES, TANKS and VACUUM PANS; a complete line for every purpose; jacketed for steam, water or unjacketed; all standard sizes; agitators if desired.

FMC FIRST MACHINERY CORP.

157 HUDSON ST., NEW YORK 13, N. Y.

F.M.C. ONE GOOD SOURCE for ALL Types of PROCESSING EQUIPMENT

AVAILABLE FOR IMMEDIATE SHIPMENT!

AUTOCLAVES

4 Autoclaves or Retorts 6'x14'—good for canners; low pressure.
1 Devine Impregnator—Jacketed 31"x36"—Bolted cover.
1 Blaw-Knox Welded Steel Autoclave 125 gal. —3'x3'—Jacketed—Agitated.

COLLOID MILLS

1 Eppenbach S.S. Model C Vertical Colloid Mill—5 HP 3 phase AC motor.
2 Eppenbach S.S. Model B Vertical Colloid Mills—1½ HP AC motor.
2 U. S. Horizontal Colloid Mills (each two motors) 3 HP and 15 HP.
2 Charlotte No. 3 Colloid Mills S.B. and Mivel —3 HP motors.
1 Bartlett & Snow Triple Action Colloid Mill, vertical—7½ HP.
1 Charlotte Colloid Mill No. 3—with two motors 3 HP and 7 HP.
1 Premier Colloid Mill type C—5" rotor—stator —3 HP.
1 Union Viscolizer (Brass) No. 450 with 10 HP AC motor.

CONDENSERS

1 Devine Tubular Vacuum Cast Iron Surface Condenser—8"x57" with receiver 18" x28".
4 Schutze Koerting Multi-Jet Barometric Condensers—varying capacities.
1 Stokes Tubular Vacuum Cast Iron Surface Condenser 12"x5' with 60 gal. receiver.
5 Aluminum Condensers—tubular type—state capacity required.
2 Bethlehem Tubular Condensers 8463 sq. ft. —6'x15' having 5500 tubes ⅝" O.D.

CONVEYOR

2 Belt Conveyors complete 18" wide—10'x15' long.
New conveyor built to order—Belt, Roller, Skate, etc.
4 Redler Conveyor Units capacity 125 tons per hour on Bauxite.

CROCKS

5 Ceramic urn shaped Crocks—275 gallon size.

CRUSHERS

Jaw Crushers, Roll Crushers, Disc Crushers, Impact Mill, Hogs, etc., state requirements.

CRUTCHER

1 Dopp 1500 lb. Jacketed, Agitated Crutcher.
1 Houchin 1000 lb. Jacketed Agitated with 5 HP.
1 Strunz 1000 lb. Jacketed Crutcher.

CUTTERS

5 Relish Cutters, Chisholm-Ryder, Buffalo, Boss, etc.
2 Ball & Jewell Rotary Cutters No. "0" and No. 2.
2 Buffalo Kraut Cutter No. 9.
Several corn, pea, bean, and food cutters of standard makes, state requirements.

DRYERS

5 Buffalo and Devine Vacuum Shelf Dryers—42"x42" to 60"x160".
1 Proctor & Schwartz 80 tray Steam Heated Dryer 34"x7'x6'10".
3 Rotary Dryers—Jacketed—Continuous Screw Type—each unit 4 stands high—18"x23' long.
2 Proctor & Schwartz Single Pass Apron Dryers 66"x21' long and 8'x77'.
3 Stokes Tray Dryers—Steam Operated 34"x 37"x72"—16 trays.
2 Vacuum Pan Dryers Jacketed Agitated 90" diameter x 44" deep.
1 Huhn Rotary Steam Dryer 3'x13'—continuous operation.
1 Christie Dryer 70"x40" long.
7 Rotary Dryers—from 3'x30' to 6'x64'.
2 Double Drum Dryers 27"x63" with accessories.
1 Buffalo Single Drum Chrome Plated Dryer, 5'x6' with Auxiliaries.
2 Vacuum Drum Dryers, 48"x40" (1 iron, other bronze, chromed).

EVAPORATORS

6 Swenson, Struthers-Wells, and Buffalo — Single effect and triple effect.
2 Buffalo Stainless Steel Evaporators.
6 Copper and Aluminum jacketed and Coiled Vacuum Pans, varying sizes from 3' to 10' diameter.

EXTRACTORS

12 Centrifugal Extractors—Tolhurst American, Troy, etc., from 20" diameter to 40", with Baskets of iron, copper, rubber covered, etc., state requirements.

FILLERS

2 Stokes Capsule Fillers.
1 Perfection Ampule Filler.

FILLERS (Dry Powders)

15 Stokes & Smith, F. J. Stokes, Triangle, Edtbauer, National J. H. Day, Howes, Sprout-Waldron—for exact quotation submit package and material.

FILLERS (Creams and Pastes)

Stokes, Filler Machinery Co., Kiefer, Colton, Algin, etc.

FILLERS (Liquids, Oils, Juices)

F.M.C. Vacuum Fillers, Syphon Fillers, Horix-Haller Rotary Fillers, Pneumatic Scale Samco Vacuum Fillers, M. & S., Ayers, Hausen, Sprague, Sells—others.

FILTERS

4 Oliver Drum Type Filters—1'x1', 1'x3', 3'x2' and 6'x5'4".
1 Swenson Rotary Continuous Filter, Steel, lead lined 8'x8'.
1 Eimco Vacuum Filter 4'x2' complete with accessories.
2 Sparkler Filters Model 14.

FILTER PRESSES

1 Shriver 7" sq. Pl. & Frame 8 Chamber aluminum 2 eye corner feed closed delivery.
3 Wood Pl. & Frame Presses 12", 18", and 24".
4 Cast iron 30" recessed Presses.
1 Shriver 24" Pl. & Fr. 3 eyed closed delivery C.I. Press.
1 Sperry 42" closed delivery Pl. & Fr. 36 chamber press.

KETTLES

6 Steel Jacketed and Agitated Kettles 34"x 34" and 5'x5'.
Immediate shipment stainless and copper steam Jacketed Kettles all sizes.

LABELERS

6 World and Ermold Semi-Aut. Labelers for spot labeling.
4 Burt and Knapp all around labelers for Cans, Glass, etc.
2 Straight line fully aut. labelers, Pneumatic and Weeks—MacDonald.
1 Duplex New Jersey Labelrite.

MILLS

Hammer Mills, Grinders, Granulators, always in stock.
30 Fitzpatrick Stainless Model D Comminuting Machines.
5 Mikro Pulverizers, No. 1 to 3.
8 Raymond Mills—No. "00"; No. "0000"; No. 45; No. 1—others.
2 Jay Bee No. 12 Mills.
2 Fuller Mills No. 33; 60 HP.
6 Stedman, Greundler, Williams Hammer Mills.
12 Ointment, Drug, Paste and Color Mills, Day, Hance, Ross, Waterville, etc.

ATTRITION MILLS

Bauer, Robinson, Sprout-Waldron, Single and Double Runner.

MILLS (Ball, Pebble, Rod, Tube)

3 Jar Mills—Single Jar 16½x20 Multiple 2 (4 gal.) 3 (2 gal.).
2 Abbe 15 gal. Pebble Mills.
1 Abbe 12x20 Pebble Mill.
1 Patterson 6'x4' Lined Pebble Mill.
1 Porter Jktd. Ball Mill 5'x5'.
4 Hardinge Mills—2'x4'6"; 3'x3'6"; 5'x22'.
1 Ball Mill unlined 40"x58".
6 Tube Mills, 6'x22', 7'x24', 3'x9', etc.
2 Rod Mills 5'x10', 6'x14'.

COLLOID MILLS

Always a large stock on hand, Premier, Eppenbach, Chemi-Colloid, U. S. Bartlett-Snow, others.

ROLLER MILLS

2 Rubber Mills—42" and 48".
J. H. Day 9"x33", 12"x30"; Lehman 16"x 40"—Four and Five Roll Mills.

MIXERS (Paste, Paint, Semi-Liquids)

3 Ross and Day 15 gal. Pony Mixers.
10 Paste Mixers 28"x28" P.D.
15 Lead Mixers, 40 to 60 gal.
Individually and batteries of two or three.
12 Overdriven Paint Mixing Tanks 500 gal. and 600 gal.

MIXERS (Dough and Cake)

Horizontal Mixers, 1 Bbl. to 5 Bbl. of standard makes.
Vertical three speed Hobart type.
Cake Mixers, various sizes.

MIXERS (Jacketed)

2 Heavy Duty 9 gal. Mixers Double Arm, Double Gear.
2 Paterson Horizontal Double Ribbon Jktd. Mixers 30"x40"x84".

MIXERS FOR MEAT PRODUCTS

3 Hottman No. 3 and 1 Boss No. 4.

MIXERS (Dry Powders)

Prompt shipment—all sizes ribbon type horizontal all steel mixers.

PACKAGING EQUIPMENT

Filler for liquids, pastes, powders.
Labelers for all types of containers.
Wrappers, Cartoners, Conveying Lines.

PRESSES

55 Stokes and Colton Tabletting Presses Single Punch and Rotary.
3 Elmes Hydraulic Presses 10"x14" with Pump and Accumulator.
1 Renneburg 5 ton screw press and dryer—50 HP motor.
1 Stokes Hydraulic Compression Molding Press—No. 280B.
2 Southwark Hydraulic Presses 80 ton (20x 20) and 100 ton 36x36 with heated platens and accumulator.
1 Farrel 130 ton Heated Platen 20"x20" and 1-150 ton 26"x26".
Other presses 400 to 5000 ton Bethlehem, H.P.M., Southwark Birdsboro and other standard makes.

PULPERS

3 Langsenkamp Model A Juice extractors, bronze contact parts.
2 Langsenkamp Model A and B Junior extractors, S.S. and Nickel contact parts.
1 Chisholm Ryder Model B Stainless juice extractor.

PUMPS

1 Beach Russ vacuum pump 750 C.P.M. with 40 HP explosion-proof AC motor.
Other vacuum pumps Nash, Worthington, Stokes, Devine, Deane, etc.
State specifications required.
Other pumps available, Centrifugal, Rotary, Gear, Screw type, etc.

SIFTERS

1 Schutz-O'Neill 3'x6'—single deck sifter arr. for P.D.
1 Wolfe 20"x40" sifter 6 separations—5 HP motor.
1 J. H. Day Ro-Ball sifter 20"x48" single deck —½ HP motor.
2 Robinson No. 31 Gyro-Sifters 20"x69"—3 deck—P.D.
2 Combs Gyratory Sifters 21" and 25".
3 Tyler Hammer Sifters 3'x6'—4'x5'.

STILLS (Including Columns—Vacuum Pans)

3 Stainless vacuum pans or stills coil heated —100 gal. to 500 gal.—one with condenser and agitator.
12 Vacuum Stills in copper, aluminum, steel jacketed or coil heated.
1 Copper gin still 5' diameter—300 gal.
1 Buflovac Nitric Still 80 Bbl. Cap. 96"x108" with oil burner.
1 Copper Alcohol Distillation Unit, 36" diameter—23' high bubble cap sectional type.
1 Steel Alcohol Concentrating Column 62" diameter having 24 sections 14" high cap. 400 gal. 190 proof.
1 Vulcan Rectifying Column 24" dia. x 36' high complete with condensers, dephlegmators, and calandria tube section.
3 Copper vacuum pans calandria type—10' and 11' diameters.
1 Steel Water Still, 5000 gal. per day 40"x 8' with condenser coils.

TABLET MACHINES

Stokes, Colton, Kux, Single Punch and Rotary — state specifications required — largest stock in the country.

TANKS (Storage—Processing—Jktd., Etc.)

Vertical, Horizontal, Rectangular Steel, Stainless, Copper Rubber lined lead, etc. State specifications.

TUBE FILLING, CLOSING, ETC.

1 Colton No. 6c automatic filler, closed.
1 Stokes 79-80A Filler, Closed Crimper.

WASHERS

Can Washers.
Bottle Washers.
Vegetable Washers.

WANTED! YOUR SURPLUS EQUIPMENT. F.M.C. PAYS MORE FOR GOOD, DESIRABLE UNITS — LET'S HAVE YOUR LIST!

F.M.C. FIRST MACHINERY CORP.

157 HUDSON ST., NEW YORK 13, N. Y.

Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines..ton. 8.50 -15.00
Tex mines .....ton.12.50 - —
spent, bulk, Bayonne...ton. 8.00 - —
imp., bgs., c.l.....ton.30.00 -40.00
Furfural, ref., dms., c.l., works. lb. .15½- —
cns., dms., l.c.l., works....lb. .18½- .23½
tech., dms., c.l., works.....lb. .13 - —
l.c.l., cns., dms.....lb. .18½- .20½
tanks, works .....lb. .00½- —
Fustic extract, cryst., No. 1, bbls., l.c.l..lb. .35 - —
No. 1A, bbls., l.c.l.....lb. .34 - —
No. 2, bbls., l.c.l.....lb. .33 - —
No. 3, bbls., l.c.l.....lb. .31 - —
liquid, No. 0, bbls., l.c.l....lb. .19 - —
No. 1, bbls., l.c.l. .....lb. .17½- —
No. 2, bbls., l.c.l. .....lb. .16½- —
No. 3, bbls., l.c.l.....lb. .14 - —
solid, No. 1, bxs., l.c.l.....lb. .20½- —

G

G salt, bbls.....lb. .45 - —
Galangal root, bls., futures...lb. .30 - .31
Gambier, cube, Singapore, ca..lb. No stocks
Extract, bbls. .....lb. No stocks
Gammapicoline 95%, dms., c.l., works..lb. 1.35 - —
Gasoline, at refinery, ex tax Arkansas 73-75 octane, tanks, gal. .06½- —
Bayonne, 74 octane, tanks, gal. .0780- .09
Gulf Coast, 73-75 octane, tanks..gal. .06½- .07¼
Group 3, 73-75 octane, tanks, gal. .06¾- .07
Pennsylvania, western, U. S. motor 74 octane, leaded, tanks..gal. .07½- .08¼
natural, 26/70 octane, Group 3, tanks..gal. .04 - —
Gelatin, silver label, ctns., dlvd. lb. .90 - .97
export, ca. .....lb. 1.00 - —
Silver label prices 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash. and Wyo.
Gelsemium root, bls.....lb. .35 - .40
Gentian root, bls.....lb. .20 - .30
grd., bbls., bxs.....lb. .35 - .36
powd., bbls., bxs.....lb. .34 - .35
Geraniol, 92-96%, cns., dms....lb. No prices
Geranyl acetate, cns.....lb. No prices
Ginger, African, No. 1, bls...lb. .15½- .16
Calicut, Romee-type, bgs....lb. .16 - .16½
Cochin, bleached, bgs.....lb. .16¼- .17
unbleached, bgs.....lb. .15½- .16
Jamaica, No. 1, bgs.....lb. .23 - .23½
No. 2, bgs.....lb. .16 - .16½
No. 3, bgs.....lb. .15 - .15½
Rhattoon, bgs. .....lb. .14 - .14½
Glaubers salt, anhyd. (see Soda sulphate).
cryst., bgs., bbls., works, 100 lbs. 1.05 - 1.45
Glue, bone, calcium type, 24 millipoises, 36 jellygrams, bgs., c.l., East of Midwest. lb. .16 - .23
80/86, bgs., c.l., same basis..lb. .15½- .22½
58/82, bgs., c.l., same basis. lb. .17 - .24
82/108, bgs., c.l., same basis. lb. .18½- .25½
Bone glue, l.c.l. prices 1c. higher than c.l.
Hide,[1] 100-121 (jelly test in grams), bgs., c.l., dlvd..lb. .14 - .21½
122-149, bgs., c.l., dlvd....lb. .15 - .22½
150-177, bgs., c.l., dlvd....lb. .16 - .23½
178-206, bgs., c.l., dlvd....lb. .17 - .24½
207-236, bgs., c.l., dlvd....lb. .18 - .25½
237-266, bgs., c.l., dlvd....lb. .19 - .26½
267-298, bgs., c.l., dlvd....lb. .20 - .27½
299-330, bgs. c.l., dlvd....lb. .21 - .28½
331-362, bgs., c.l., dlvd....lb. .22 - .29½
363-394, bgs., c.l., dlvd....lb. .23 - .30½
395-427, bgs., c.l., dlvd....lb. .24 - .31½
428-460, bgs., c.l., dlvd....lb. .25 - .32½
461-494, bgs., c.l., dlvd....lb. .26 - .33½
495-529, bgs., c.l., dlvd....lb. .27 - .34½
Hide glue l.c.l., prices 1c. higher than c.l. bbls., ½c. over bgs.
Glycerin, crude, saponification, 88%, to refiners, tanks..lb. .12¾- —
soaplye, 80%, tanks.....lb. .11½- —
dynamite, dms., c.l.....lb. .17½- .18¼
l.c.l. .....lb. .18 - .19¼
tanks .....lb. .17¼- .18
high gravity, dms., c.l.....lb. .17½- .18½
l.c.l. .....lb. .18 - .19¼
tanks .....lb. .17¼- .18
refined, B.P., 96%, dms., c.l..lb. .18¾- —
tanks .....lb. .18½- —
USP, 95%, dms., c.l.....lb. .18¼- —
tanks .....lb. .18 - —
yellow, distilled, dms., c.l...lb. .17⅞- —
tanks .....lb. .17¾- —
Glycine, USP (see Acid, aminoacetic).
Glycol boriborate, dms.....lb. .22 - —
Stearate, dms.....lb. .26 - —
Gold chloride, acid-brown, bots. oz.20.75 -21.00
acid-yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots.. oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Goldenseal root, bls.....lb. 8.75 - 9.00
powd., bxs.....lb. 9.25 - 9.50
Gold of pleasure seed, bgs....lb. No stocks
Grains of paradise, bgs.....lb. .45 - .46
Graphite, dom., crystalline, 80% through 50 mesh, graphitic carbon content 65-70%, bgs., whse..lb. .04½- —
70-75%, bgs., same basis. lb. .05 - —
75-80%, same basis.....lb. .05½- —
80-85%, bgs., same basis. lb. .06 - —
85-90%, bgs., same basis. lb. .07 - —
90% and up, same basis. lb. .08 - —
imported, amorphous, powd., dlvd..lb. .04 - .06
crystalline, 88-90%, powd., same basis..lb. .14 - .16
90-92%, powd., same basis.. lb. .16 - .19
97% powd., same basis...lb. .22 - .25
flake, No. 1, 90-95%, 200-lb. crtns, same basis..lb. .21 - .23
No. 2, same basis.....lb. .22 - .24
Grease, house,[1,7] loose.....lb. .05¼ Nom.
White, choice, loose.....lb. .06⅝ Nom.
Wool (see Adeps lanae and Degras).
Green, brilliant,[1] thioflavin toner, molybdic, kegs., works..lb. 3.25 - —
tungstic, kgs., works.....lb. 3.75 - —
Chrome,[1] CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N.C. E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .26 - —
6-10%, bbls., same basis. lb. .27 - —
11-15%, bbls., same basis. lb. .28 - —
16-20%, bbls., same basis. lb. .28½- —
Green, chrome, CP, dark, light, medium, color content 21-25%, bbls., same basis..lb. .29½- —
26-30%, bbls., same basis. lb. .29¾- —
31-35%, bbls., same basis. lb. .30¾- —
36-40%, bbls., same basis. lb. .32½- —
41-45%, bbls., same basis. lb. .34 - —
46-50%, bbls., same basis. lb. .35¾- —
50% and over, bbls., same basis..lb. .36¾- —
reduced color, 5%, bbls., same basis..lb. .07 - —
6-10%, bbls., same basis.lb. .07¾- —
11-15%, bbls., same basis.lb. .08¼- —
14-16%, bbls., same basis.lb. .09 - —
17-19%, bbls., same basis.lb. .09½- —
20-21%, bbls., same basis.lb. .09½- —
22-23%, bbls., same basis.lb. .09¾- —
24-25%, bbls., same basis.lb. .10 - —
26-27%, bbls., same basis.lb. .10½- —
28-29%, bbls., same basis.lb. .11 - —
30-31%, bbls., same basis.lb. .12 - —
32-33%, bbls., same basis.lb. .13¼- —
34-35%, bbls., same basis.lb. .14¼- —
36-40%, bbls., same basis.lb. .17 - —
41-45%, bbls., same basis.lb. .19½- —
46-50%, bbls., same basis.lb. .19¾- —
51-55%, bbls., same basis.lb. .20½- —
56-60%, bbls., same basis.lb. .21 - —
61-65%, bbls., same basis.lb. .22 - —
66-70%, bbls., same basis.lb. .23¼- —
Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.
Green, chrome oxide, pure, dms., works..lb. .27½- .30
Malachite, thioflavin toner, molybdic, bbls., works..lb. 3.00 - —
tungstic, bbls., works.....lb. 3.50 - —
Phthalocyanin,[1] tetrahydroxide (hydrated chromium oxide), bbls., works...lb. .85 - —
toner, bbls. works.....lb. 4.00 - 5.00
Paris (see P).
Tungstated, brilliant, kgs...lb. 3.00 - 4.00
emerald, kgs.....lb. 2.60 - —
Verdigris (see V).
Green dyes (see Dyes, coaltar).
Grindelia robusta, bls.....lb. .21 - .22
Guaiac, resin, cs.....lb. .32 - .34
Wood, bls.....lb. .35 - .36
Guaiacol, cryst., N.F., tins...lb. 1.60 - 1.65
Liquid, N.F., beta., cbys....lb. 1.60 - 1.84
Carbonate, dms.....lb. 2.40 - 2.46
Guarana, powd., cs..... ..lb. 2.00 - 2.10
Gum accroides (see Gum, yacca).
Aloe (see A).
Ammoniac, tears, cs.....lb. .90 - .95
Arabic, amber, sorts, bgs....lb. .14½- .14¾
white, sorts, 1, bgs.....lb. .28 - .29
Asphaltum (see A).
Asafetida (see A).
Benzoin, Sumatra, cs.....lb. 1.00 - 1.70
Camphor (see C).
Copal, Congo (former dollar-and-cent ceilings revoked Feb. 2. New ceiling prices are to be based on prices to be paid by importers in the Belgian Congo plus landed costs, as determined by a formula under the new import regulations).
East India (former dollar-and-cents ceilings on all other copals revoked May 21. New ceiling prices are to be figured on same basis as Congo).
Gum, copal, Manila, No. 1, hard, bold, amber, light, bskts., c.l., whse..lb. .25 - —
Dammar (former dollar-and-cent ceiling on Batavia and Singapore revoked May 21. New ceiling prices are to be figured on same basis as copals).
Elemi (former dollar-and-cent ceilings on elemi revoked May 21. New ceiling prices to be figured on same basis as copals).
Ester,[7] gum-resin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N. England States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va..lb. .1300- —
l.c.l., dlvd., Ill., etc.....lb. .1325- —
other points, same basis. lb. .1400- —
wood-resin type, dms., c.l., dlvd. Ill., Ind., etc..lb. .1050- .1074
Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs.....lb. .95 - 1.00
Gamboge, pipes, cs.....lb. 2.00 - 2.05
powd., bbls.....lb. 2.25 - 2.30
Ghatti, bgs.....lb. No stocks
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .21 - .50
Kauri (former dollar-and-cent ceilings revoked May 21. New ceiling prices are to be based on prices to be figured on same basis as copals).
Locust bean, powd., bbls....lb. .50 - .60
Mastic, cs.....lb. 2.25 - 2.30
Myrrh, cs.....lb. .43 - .50

When Special FILTROL* is specified—you use *fewer pounds* to decolorize and purify *more gallons* of regular or "hard-to-bleach" oils...You get more high grade oil per pound of treating material because of minimum press cake soakage...You cut labor costs because you increase filter press capacity...You buy less filtering material—store less—and handle less.

This is because Special FILTROL is a scientifically controlled, chemically prepared, highly activated adsorbent. Specify FILTROL for lowest color at lowest processing cost. Technical information on request.

FILTROL CORPORATION

General Offices: 634 South Spring Street, Los Angeles 14, California
Plants at Vernon, California, and Jackson, Mississippi

SPECIAL Filtrol

PRODUCTS OF RESEARCH AND DEVELOPMENT

*Reg. U.S. Pat. Off.

Gum, olibanum, siftings, cs....lb. .12 - .13
tears, cs....lb. .27 - .45
Opium (see O).
Red (see Gum yacca).
Resin (see R).
Sandarac, bgs....lb. .96 - .96
Spearmint, cs....lb. 1.80 - 1.85
Talha, bgs....lb. .10 - .11
Tragacanth, No. 1, cs....lb. 5.00 - 5.25
No. 2, cs....lb. 3.65 - 3.90
No. 3, cs....lb. 3.20 - 3.45

Yacca (former dollar-and-cent ceiling prices revoked May 21. New ceiling prices to be figured on same basis as copals).

Gypsum, Keene's cement, paper bgs., c.l., Acme, Tex., frt. equald..ton.22.65 - —
Harlem River, N. Y., frt. equald..ton.26.25 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.20.65 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.45 - —

Plaster of paris, paper bgs., c.l., Acme, Texas, frt. equald. ton.12.50 - —
Blue Rapids, Kan., frt. equald..ton.10.50 - —
Harlem River, N. Y., frt. equald..ton.12.00 - —
Medicine Lodge, Kan., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Okla., frt. equald. ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12.50 - —

Stucco, paper bgs., c.l., Acme, Texas, Akron, N. Y.; Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, Ohio; Harlem River, N.Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Tex.; Southard, Okla.; Sweetwater, Tex.; frt. equald..ton. 8.00 - —
Saltville, Va., frt. equald. ton. 9.00 - —

Terra alba, paper bgs., c.l., Harlem river, N. Y., New Brighton, N. Y., same basis..ton 14.40 - —

H

Hawthorn berries, bgs....lb. .60 - .65
Heliotropin, cryst., cns....lb. 2.95 - 4.00
Hellebore, white, powd., bbls..lb. .46 - .47
Helonias root, bls....lb. 2.25 - 2.50
Hematine extract, cryst., No. 6, bbls., l.c.l..lb. .41 - —
No. 1, bbls., l.c.l....lb. .40 - —
No. 1A, bbls., l.c.l....lb. .37 - —
No. 2, bbls., l.c.l....lb. .36 - —
No. 3, bbls., l.c.l....lb. .34 - —
No. 4, bbls., l.c.l....lb. .33 - —
No. 5, bbls., l.c.l....lb. .30 - —
paste, No. 1, bbls., l.c.l....lb. .17½- —
No. 2, bbls., l.c.l....lb. .16½- —
No. 3, bbls., l.c.l....lb. .15½- —
red, No. 4, bbls., l.c.l....lb. .14½- —
Hemlock bark extract,[6] 26% tan, bbls., c.l., works..lb. No stocks
tanks, works....lb. No stocks
Henbane leaves, bls....lb. 1.00 - 1.25
Henna leaves, bls....lb. .29 - .30
powd., bbls., bxs....lb. .34 - .39
Heptane,[1] industrial grade, 60°-100° C., dms., c.l., Group 3, gal. .12½- —
l.c.l., Group 3....gal. .19 - —
tanks, Group 3....gal. .10½- —
77°-115° C., dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3....gal. .19 - —
tanks, Group 3....gal. .10½- —
laboratory grade, dms., c.l., Group 3-gal. .16 - —
l.c.l., Group 3....gal. .29 - .55
Hexalin (see cyclohexanol).
Hexamethylenetetramine,[1] tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C..lb. .24 - —
smaller lots, same basis..lb. .25 - —
USP, dms., 500 lbs. or more, same basis..lb. .35 - —
smaller lots, same basis..lb. .36 - —
Hexane,[1] 60°-70° C., industrial grades, dms., c.l., Group 3, gal. .13½- —
l.c.l., Group 3....gal. .19 - —
tanks, Group 3....gal. .10½- .11
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3....gal. .29 - .55
Hexanol, normal, dms., l.c.l., works..lb. .35 - —
Homatropine hydrobromide, bots. oz.15.00 -25.00
Hoofmeal, 17-19% ammonia, bulk, c.l., Chicago..unit-ton. 8.00 - 9.00
Hops, NF, bls....lb. .56 - 1.50
Horehound, bls....lb. .12½- .13
Hydrangea root, bls....lb. .22 - .25
Hydrastine, alkaloid, bots....oz.20.00 -22.00
Hydrochloride, bots....oz.20.00 -22.00
Sulphate, bots....oz.29.00 -32.00
Hydrastinine, 10-gr. bots....bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fib. cns., works..lb. .30 - .40
Hydrogen peroxide, USP, bbls. lb. .03½- .04
100 vols., cbys., E. of Miss. River or West coast via Panama Canal..lb. .15½- .17½
Hydroquinone, bbls., dms....lb. .90 - .94
Hydroxycitronellal, cns....lb. No prices
dms., extra, ref'able, divd...lb. No prices
Hyoscine hydrobromide, bots..oz.39.00 -45.00
Hyoscyamine, bots....oz.18.00 -20.00
Hydrobromide, bots....oz.18.00 -19.50
Sulphate, bots....oz.14.00 -19.50
Hypernic extract, cryst., No. 1, bbls., l.c.l..lb. .42 - —
No. 2, bbls., l.c.l....lb. .34 - —
liquid, No. 1, bbls., l.c.l..lb. .24 - —
No. 2, bbls., l.c.l....lb. .19 - —
solid, No. 1, bxs., l.c.l....lb. .30 - —
Hyssop, bgs....lb. .60 - .61
leaves, bgs....lb. .69 - .70

I

Iceland moss, bgs....lb. .50 - .52
Ichthammol, NF, bots....lb. 2.47 - —
Indian red (see Red, Indian).
Indigo, nat., chests....lb. 2.14 - 2.22
synth., paste, bots....lb. .16½- .19
powd., bbls....lb. .74½- .88
Indol, CP, bots....lb.19.00 -22.00
Insect flowers (see Pyrethrum).
Iodine, crude, 25-lb. jars....lb. 1.67 - —
150-lb. kgs....lb. 1.23½- —
resubl., 5-lb. bots., jars....lb. 1.75 - 1.85
Iodoform, 100-lb. dms., kgs....lb. 3.95 - 4.10
25-lb. jars or fib. dms....lb. 4.20 - —
Ionone, ketone, bot....lb. 8.00 - 9.50
Methyl, bot....lb. 6.25 -12.00
Ipecac root, bgs....lb. 5.50 - 5.75
powd., bgs....lb. 5.75 - 6.00
Irish moss, bleached, prime...lb. .25 - .30
Iron acetate, liquor, bbls., c.l., divd..lb. .17 - —
l.c.l., divd....lb. .18 - —
solut., USP IX, 100-lb. cbys.lb. .17 - —
50-lb. djns....lb. .18 - —
Chloride (ferric), anhydr., tech., dms., c.l., works..100 lbs. 4.90 - 5.25
l.c.l., works....100 lbs. 5.50 - 6.00
cryst., tech., bbls., works, frt. alld..100 lbs. 4.00 - 6.00
USP X, lump, bbls....lb .07 - .08½
solut., 42 Be, cbys., works, frt alld. or equald..lb. .05½- .06
djns., same basis....lb. .10 - —
Citrate, USP VIII, gran., dms., lb. .70 - .75
powd., cns....lb. .84 - .87
Glycerophosphate, bbls....lb. 3.40 - 3.52
Hypophosphite, bbls., dms..lb. 1.50 - 1.52
Iodide, bots....lb. 3.18 - 3.32
Naphthenate, 6% Fe, 50-gal. dms..lb. .16½- .17½
Nitrate, red, tech., dms....lb. .03½- .04
Oxalate, gran., dms....lb. .83 - .85
powd., cns....lb. .82 - —
kgs....lb. .47 - .49
Phosphate, soluble, NF, gran., cns...lb. .54 - .57
Pyrophosphate, gran., cns...lb. .59 - .62
Reduced, 90%, kgs....lb. .65 - .75
Resinate, 7.4% Fe, 100-lb. dms. lb. .17½- —
Sulphate (ferric), anhyd., bgs., c.l., works..ton.35.00 - —
l.c.l., works....ton.40.00 - —
partially hydrated bgs., c.l., works..ton.26.50 - —
(ferrous) tech. (see Copperas).
USP, cryst., bbls., dms..lb. .05½- .11
Tallate, 4% Fe, 50-gal. dms..lb. .10½- —
Iron-ammonia citrate, brown, green, gran., pearls, dms.lb. .33 - .38
scale, dms....lb. .49 - .53
Oxalate, bbls....lb. .23½- —
dms., kgs....lb. .25½- .26½
Iron-soda oxalate, bbls., dms.lb. .23½- .26½
Isobornyl acetate, cns., works.lb. .80 - .95
Isobornyl thiocyanoacetate, dms., c.l., works..gal. 4.35 - —
l.c.l., works....gal. 4.45 - 4.55
tanks, works....gal. 4.25 - —
Isobutyl acetate, cns....lb. 1.10 - —
Propionate, cns....lb. No prices
Isoeugenol, cns., works....lb. 3.75 - 4.25
Isopentane, dms., works....lb. .45 - .55
Isophorone, dms., c.l., works..lb. .21 - —
l.c.l., works....lb. .23 - —
tanks, works....lb. .20 - —
Isopropanol (see Alcohol, Isopropyl).
Isopropyl acetate, dms., c.l., E. of Rockies, frt. alld.lb. .10½- —
l.c.l. E. of Rockies, same basis..lb. .11 - —
tanks, E. of Rockies, same basis..lb. .09½- —
Alcohol (see Alcohol, Isopropyl).
Ether, dms., c.l., divd....lb. .06 - —
l.c.l....lb. .06½- —
tanks, divd....lb. .04½- —
Isopropylamine, dms., works..lb. .25 - —

J

Jaborandi leaves, bls....lb. .30 - .31
Jalap root, NF, bls....lb. .37 - .52
powd., bbls., bxs....lb. .43 - .58
Resin, lump, cns....lb. 5.85 - —
powd., bxs....lb. 5.90 - —
Juniper berries, bgs....lb. .22 - .25
Juniper tar, USP, dms....lb. .70 - 1.00

K

Kamala, powd., cns....lb. .46 - .48
Kaolin (see China clay).
Kava kava root, bls....lb. .28 - .30
Kerosene, at refinery: Ark., 42-44 w.w., tanks..gal. .05 - —
Bayonne, 41-43, w.w., tanks.. gal. .061 - —
California, 40-43 w.w., tanks. gal. .07 - —
Gulf ports, 41-43 w.w., tanks. gal. .04½- .05
Okla.-Tex., 41-43 w.w., tanks. gal. .04875- —
Penn., 45 w.w., tanks....gal. .0655- .0706
47 w.w., tanks....gal. .0705- —
Kola nuts, bgs....lb. .10 - .11
Kyanite, imp., low iron content, 10-mesh, whse..ton.85.00 -95.00
calcined, grain, 10-mesh, whse. ton.95.00 -105.00

L

Ladyslipper root, bls....lb. 1.35 - 1.40
Lanolin (see Adeps lanae).
Lard, ref., tierces, c.l....lb. No prices
prime steam, tierces, c.l....lb. No prices
Larkspur seed, bgs....lb. .80 - .82
Laurel berries, bls....lb. .25 - .26
Leaves, Cyprus, bls....lb. .18½- .19
Greek, bls....lb. .19½- .20
Portuguese, futures, bls....lb. .15½- .16
good, bls....lb. .16 - .16½
Turkish, bls., futures....lb. .15½- .16
Lavender flowers, medium, bls.lb. .60 - .65
ordinary, bls....lb. .35 - .43
select, bls....lb. .65 - .70
Lead, acetate,[1] white, broken, bbls..lb. .12½- —
cryst., bbls....lb. .12½- —
gran., powd., bbls....lb. .13¼- —
Arsenate,[1] basic powder, 3-lb. bgs. or larger, c.l..lb. .14 - —
l.c.l....lb. .14½- —
1-lb. ctns., c.l....lb. .24 - —
l.c.l....lb. .24½- —
standard, paste, cns., c.l...lb. .06¾- —
l.c.l....lb. .07 - —
Lead arsenate prices are works or whse. basis, frt. alld. to dest.
Blue, basic sulphate, bbls., c.l., 20-ton lots, divd. E..lb. .08½- —
divd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .08¾- —
l.c.l., divd. E....lb. .08¾- —
divd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .09 - —
Carbonate (see Lead, white).
Chloride, fib. dms....lb. .49 - —
Iodide, NF V, bots....lb. 2.80 - —
jars....lb. 2.60 - —
Lead linoleate, pale, precip., bbls. lb. .22½- —
Metal,[1,5] (see Protective Coatings Materials market).
Metallic paste, dms., works..lb. No stocks
Naphthenate, 24%-30%, Pb...lb. .16 - .19½
Nitrate, bbls....lb. .12½- —
Oleate, bbls....lb. .17¾- —
Peroxide, powd., tech., bbls.lb. .33 - .38
Red, 95% Pb_3O_4, or less bbls., c.l. (20 tons), divd. Ala., Ariz., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Tex., Utah, Wyo., and E. of Cascade Mts., in Ore. and Wash..lb. .11 - —
other points....lb. .10¾- —
l.c.l., 5 tons, divd. Ala., Cal., Fla., Ga., La., Miss., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .11½- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .12 - —
Colo., Mont., N. Mex., Wyo..lb. .11¾- —
other points....lb. .11½- —
smaller lots, Ala., etc.lb. .12 - —
Ariz., etc....lb. .12¾- —
Colo., etc....lb. .12½- —
other points....lb. .11¾- —
in oil, kgs....lb. .15¾- —
97% Pb_3O_4, bbls., c.l. (20 tons), divd., Ala., Ariz., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Tex., Utah, Wyo. and E. of Cascade Mts. in Wash. and Ore.lb. .11¾- —
other points....lb. .11 - —
l.c.l., 5 tons, divd. Ala., etc. lb. .11¾- —
Ariz., etc....lb. .12¾- —
Colo., etc....lb. .12 - —
other points....lb. .11½- —
smaller lots, divd. Ala. lb. .12½- —
Ariz., etc....lb. .12¾- —
Colo., etc....lb. .12½- —
other points....lb. .12 - —
96% Pb_3O_4, bbls., c.l. (20 tons), divd. Ala., etc.lb. .11½- —
other points....lb. .11¾- —
l.c.l., 5 tons, divd. Ala., etc..lb. .12 - —
Ariz., etc....lb. .12½- —
Colo., etc....lb. .12¼- —
other points....lb. .11¾- —
smaller lots, divd. Ala., etc..lb. .12½- —
Ariz., etc....lb. .13 - —
Colo., etc....lb. .12¾- —
other points....lb. .12¼- —
Resinate, precip., 23.8% Pb dms..lb. .20 - —
Silicate, bgs....lb. .0730- .0780
Soyate, 20.15% Pb., dms....lb. .22¼- —
Stearate, bbls....lb. .34½- .35½
Sulphate (see Lead, blue; Lead, white, basic sulphate).
Tallate, 16% Pb, dms....lb. .10 - .11
Titanate, bgs., bbls., c.l., l.c.l., 6 tons, one delivery, E. frt. alld..lb. .11¼- —
Pac. Cst., ex whse....lb. .11½- —
smaller lots, E. frt. alld. lb. .11¼- —
Pac. Cst., ex whse..lb. .11¾- —
White, basic carbonate, bbls., c.l., divd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo. lb. .10 - —
divd. other points....lb. .09¾- —
l.c.l., divd. Ariz., etc....lb. .10¼- —
other points....lb. .10 - —
basic sulphate, bbls., c.l., divd. Ariz., etc..lb. .09 - —
other points....lb. .08¾- —
l.c.l., divd. Ariz., etc....lb. .09¼- —
other points....lb. .09 - —
in oil, consumers, kgs....lb. .15 - —
painters, kgs....lb. .14 - —
Lecithin, edible, dms., c.l....lb. .25¼- —
l.c.l....lb. .26½- .45
in cocoa butter, dms., c.l..lb. .39½- —
l.c.l....lb. .40¾- .50
tech., dms., c.l....lb. .25¼- —
l.c.l....lb. .26½- .45
vegetable, pure, bots., 100 lbs. lb. 2.75 - —
Lemon peel, bls....lb. .35 - .40
Licorice extract, mass, cns....lb. .40 - .42
powd., bbls....lb. .60 - .62
Root, natural, bls....lb. .12 - .14
powd., bbls....lb. .18 - .20
5-lb. bundles, cs....lb. .65 - .66
Lignin extract, tanning grade, bgs., c.l., works..lb. .04 - —
Lime, agricultural, works....ton. 9.00 - 9.50
Chemical (quicklime), lump, pebble, Adams, Mass..ton. 9.00 - —
Annville, Pa....ton. 8.50 - —
Bellefonte, Pa....ton. 8.50 - —
Berkeley, W. Va....ton. 8.50 - —
Buffalo, N. Y....ton.10.25 - —
Carey, Ohio....ton. 7.00 - —
Cedar Hollow, Pa....ton. 9.00 - —
Crab Orchard, Tenn.ton. 7.90 - —
Eagle Mountain, Va.ton. 8.50 - —
Farnams, Mass....ton. 9.00 - —
Gibsonburg, Ohio....ton. 7.50 - —
Hannibal, Mo....ton. 7.50 - —
Keystone, Ala....ton. 7.90 - —
Knoxville, Tenn....ton. 7.90 - —
Limedale, Ark....ton. 8.00 - —
Longview, Ala....ton. 7.90 - —
Manistique, Mich....ton. 8.00 - —
Marblehead, Ohio....ton. 8.50 - —
Martinsburg, W. Va.ton. 8.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind....ton. 7.50 - —
Newala, Ala....ton. 7.90 - —
Ripplemead, Va....ton. 8.50 - —
Riverton, Va....ton. 8.50 - —
Rockland, Maine....ton. 8.00 - —
Scioto, Ohio....ton. 6.50 - —
Sherwood, Texas....ton. 7.90 - —
Sherwood, Wisc....ton. 8.50 - —
Springfield, Mo....ton. 8.00 - —
Woodville, Ohio....ton. 8.50 - —
York, Pa....ton. 8.50 - —
Hydrated, Adams, Mass....ton.10.00 - —
Annville, Pa....ton.10.00 - —
Bellefonte, Pa....ton.10.00 - —
Berkeley, W. Va....ton.10.00 - —
Buffalo, N. Y....ton.10.50 - —
Carey, Ohio....ton. 8.50 - —
Cedar Hollow, Pa....ton.10.00 - —
Crab Orchard, Tenn..ton.10.65 - —
Eagle Mountain, Va.ton.10.00 - —
Farnams, Mass....ton.10.00 - —
Gibsonburg, Ohio....ton. 9.50 - —
Hannibal, Mo....ton. 9.50 - —
Keystone, Ala....ton.11.65 - —
Knoxville, Tenn....ton.10.65 - —
LeRoy, Minn....ton.10.00 - —
Limedale, Ark....ton.10.00 - —
Longview, Ala....ton.11.65 - —
Manistique, Mich....ton. 9.50 - —
Marblehead, Ohio....ton.10.50 - —
Martinsburg, W. Va.ton.10.00 - —
Mitchell, Ind....ton.10.00 - —
Lime, hydrated, Newala, Ala.ton.11.65 - —
Petoskey, Mich....ton.10.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. Dak.ton.13.00 - —
Rippleмead, Va....ton.10.00 - —
Rockland, Maine....ton. 9.00 - —
Scioto, Ohio....ton. 8.00 - —
Sherwood, Tenn....ton.11.65 - —
Sherwood, Wisc....ton.10.00 - —
Springfield, Mo....ton. 9.00 - —
Woodville, Ohio....ton. 8.50 - —
York, Pa....ton.10.00 - —
Spray, paper bgs., Adams, Mass..ton.10.00 - —
Annville, Pa....ton.10.00 - —
Bellefonte, Pa....ton.10.00 - —
Carey, Ohio....ton.11.00 - —
Farnams, Mass....ton. 9.50 - —
Gibsonburg, Ohio....ton.10.00 - —
Marblehead, Ohio....ton.10.00 - —
Rockland, Maine....ton.10.00 - —
Scioto, Ohio....ton10.00 - —
Woodville, Ohio....ton.10.00 - —
York, Pa....ton.10.00 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen[8] 20.5% N. (see Ammonia nitrate-lime-stone).
Limestone, ground, bulk, works. ton. 1.40 - —
Linalool....lb. 7.60 - —
Linalyl acetate, ex bois de rose, bots..lb. 5.50 - —
ex lignaloe wood, bots....lb. 7.75 - 8.40
ex petitgrain, bots....lb. 3.90 - 4.10
Linden flowers with leaves, bls. lb. .55 - .60
without leaves, bls....lb. .65 - .70
Linseed meal,[7] 34%, bulk, c.l., ton. No prices
32%, same basis....ton. No prices
Litharge, com'l, powd., bbls., c.l. divd. Ala., Ariz., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash..lb. .10 - —
other points....lb. .09¾- —
Ala., Cal., Fla., Ga., La., Miss., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .10¼- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .11 - —
Colo., Mont., N. Mex., Wyo..lb. .10¾- —
other points....lb. .10¼- —
smaller lots, divd. Ala., etc..lb. .11 - —
Ariz., etc....lb. .11¼- —
Colo., etc....lb. .11¼- —
other points....lb. .10¾- —
Lithium bromide, bbls., 100-lb. lots, works, frt. equald.lb. 1.90 - —
smaller lots, works....lb. 1.92 - 1.95
Carbonate, NF, bbls., kgs...lb. 1.25 - 1.30
Chloride, jars....lb. 1.65 - 1.70
Citrate, bbls., dms., kgs....lb. 1.40 - 1.41
Fluoride, bbls....lb. 2.45 - 2.60
Hydroxide, jars....lb. 1.25 - 1.46
Lithium iodide, bots....lb. 5.20 - —
jars....lb. 5.05 - —
Stearate, fib. dms., works....lb. .53½- —
Lithopone,[1] ordinary, bgs., c.l., (20tons)..lb. .0440- —
l.c.l....lb. .0465- —
bbls., c.l....lb. .0465- —
l.c.l....lb. .0490- —
titanated (high-strength), bgs. lb. .05¾- —
smaller lots....lb. .06 - —
bbls., c.l....lb. .06 - —
smaller lots....lb. .06¼- —

Lithopone, c.l., divd. Pac. Cst., ¼c. higher; l.c.l., ex whse. Pac. Cst. ½c. higher.

Liverwort leaves, bls....lb. .70 - .75
Lobelia herb, bls....lb. .80 - .85
Lobeline sulphate, bots., wks.oz.25.50 -38.00
Logwood extract, crystals, No. 1, bbls., l.c.l..lb. .34 - —
No. 2, bbls., l.c.l....lb. .32 - —
liquid, No. 1, bbls., c.l....lb. .17 - —
No. 2, bbls., l.c.l....lb. .16 - —
No. 3, bbls., l.c.l....lb. .15½- —
No. 4, bbls., l.c.l....lb. .15 - —
solid, No. 1, bxs., l.c.l....lb. .28 - —
No. 2, bxs., l.c.l....lb. .26 - —
bbls., c.l., Zone 1....lb. .09½- —
No. 4, bxs., l.c.l....lb. .23 - —
No. 5, bgs., l.c.l....lb. .22½- —
No 5, boxs., l.c.l....lb. .21½- —
No. 6, boxs., l.c.l....lb. .20½- .44½
Lovage root, American (ligusticum actae folium), bbls..lb. 1.20 - 1.50
Lupulin, NF, tin....lb.12.75 -13.00
Lycopodium, USP, cs....lb. 2.50 - 3.00

M

Mace, Amboyna, cs....lb. .80 Nom.
Banda, cs....lb. 1.10 Nom.
West Indian, bgs....lb. 1.10 - 1.20
Broken, bgs....lb. 1.00 Nom.
Madder Dutch, bbls....lb. .24 - .30
Magnesia arsenate,[1] dms....lb. .153 - .18
Calcined, tech., USP, bbls., works..lb. .26 - —
Magnesia carbonate, tech., bgs., c.l., l.c.l., Zone 1..lb. .07¼- —
bbls., c.l., Zone 1....lb. .07½- —
l.c.l., Zone 1....lb. .08½- —
kgs., c.l., Zone 1....lb. .08¾- —
l.c.l., Zone 1....lb. .09¾- —
USP, bgs., c.l., Zone 1....lb. .08 - —
l.c.l., Zone 1....lb. .09 - —
bbls., c.l., Zone 1....lb. .08½- —
l.c.l., Zone 1....lb. .09¼- —
kgs., c.l., Zone 1....lb. .09¼- —
l.c.l., Zone 1....lb. .10¾- —
Magnesia carbonate prices, basis Phillipsburg, N. J., and Plymouth Meeting, Valley Forge, Pa. Zone 1—Conn., Del., D. C., Md., Mass., N. J., N. Y., Pa., and R. I.; Zone 2, remainder of U. S.
Chloride, anhyd., bbls., divd.lb. .12¾- —
flake, bbls., c.l., works...ton.32.00 - —
l.c.l., works....ton.39.00 -42.00
Fluoride, bbls....lb. .20 - .25
Hydroxide, medicinal, bbls., dms., kgs..lb. .29 - .30
Hypophosphite, cns....lb. 1.45 - —
Laurate, bbls....lb. .33 - .38
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works..lb. 1.00 - 1.05
Phosphate, tribasic, USP, bbls. lb. .60 - —
Silicate (see Talc).
Silicofluoride, bbls....lb. .08 - .09
Stearate, ctns., 2,000 lbs. to c.l. lb. .24½- —
less than ton....lb. .25½- —
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. contracts..lb. .37 - —
smaller lots....lb. .42 - —
Magnesite, cal., powd., bgs., c.l., mines, Calif..ton.58.75 - —
dead-burnt,[1] bulk, c.l., Chewelah, Wash..ton.22.00 -32.00
Maleic anhydride, dms., c.l....lb. .25 - —
l.c.l....lb. .26 - —

Mallinckrodt STANDARDIZED and SPECIAL STEARATES

PRODUCT	Bulk (fl. oz. per lb.)	Metallic Oxide	Acetone Extractable*	Melting Point†	Soluble or Dispersible	Special Characteristics	Uses
ALUMINUM STEARATE TECHNICAL M [$Al(OH)_2St$]	50-55	14-15%	6.5-7.5%	190-200° C	In hot chlorinated solvents—$CHCl_2$, CCl_4, etc., mineral oils and waxes, vegetable oils, waxes and turpentine, fatty acids, cyclic solvents—benzine, naphtha, etc., and sulfonated oils. Hot solutions generally form gels on cooling.	High metallic oxide content	1, 8
ALUMINUM STEARATE TECHNICAL D [$Al(OH)_2St$]	50-55	8.4-8.7%	6-7%	135-160° C			1, 2, 3, 4, 8
ALUMINUM STEARATE TECHNICAL D 5-48	45-50	8.7-9.0%	6-7%	155-160° C		Especially strong gelling action	1
FLATTING AGENT NO. 22	65-70	8.4-8.7%	6-7%	145-150° C		Good flatting action.	3
ALUMINUM STEARATE FLUFFY	60-65	8.4-8.7%	6-7%	145-150° C		Similar to Tech D but softer and more bulky.	1, 4, 8
ALUMINUM STEARATE TECHNICAL T-D	85-95	7.5-8.0%	12.5-13.5%	125-130° C		Intermediate between Tech D and Tech T but softer and more bulky than either.	1, 4, 9
ALUMINUM STEARATE TECHNICAL T [$AlSt_3$]	60-65	6.0-6.5%	24-25%	105-110° C			1
AMMONIUM STEARATE TECHNICAL	30-35	5.5-6.0% (NH_3)	decomposes	decomposes	Soluble in cold water. Decomposes in organic solvents.	A granular, free-flowing product approx. 100% ammonium stearate. Readily loses NH_3 content, leaving water-insoluble stearic acid.	1, 5, 7, 8
CALCIUM STEARATE TECHNICAL	45-50	8.8-9.3%	1-2%	145-150° C			3, 4, 5, 8
CALCIUM STEARATE IMPALPABLY POWDERED	120-130	8.8-9.3%	0.5-1%	145-150° C	No		3, 4, 5, 7, 8, 10
MAGNESIUM STEARATE IMPALPABLY POWDERED	105-110	7.5-8.0%	0.5-1%	125-130° C	Partially soluble hot in mineral oils and waxes, vegetable oils, waxes and turpentine, fatty acids.		1, 4, 5, 7, 8, 10
SODIUM STEARATE TECHNICAL	35-40	9.5-10.5%	——	180-185° C	Water, lower alcohols, mineral oils and waxes, fatty acids.		7, 10
ZINC STEARATE TECHNICAL	130-140	14.0-14.5%	1-2%	112-117° C	Chlorinated solvents—$CHCl_3$, CCl_4 etc., vegetable oils, waxes and turpentine, fatty acids, cyclic solvents—benzine, naphtha, etc.		3, 5, 6, 8
ZINC STEARATE U.S.P. XII	120-130	14.0-14.5%	2-2.5%	112-117° C			3, 5, 10

* Extracted with boiling acetone. † Determined in capillary tube.
Alkali salts and water content of stearates (excepting Sodium Stearate Tech.) is limited to 1% and is usually less.

1. Processes involving gel structures.
2. Modifying waxes and wax compositions, plastics, etc.
3. Flatting paints, varnishes and lacquers.
4. Suspending pigments and other solids in liquid media.
5. Releasing agent for molding and casting operations.
6. Manufacture and compounding of rubber and rubber products.
7. Dry lubricant for tabletting and protection of hygroscopic materials.
8. Increasing water repellancy of cement, rope, textiles, paper, etc.
9. Inks.
10. Cosmetics and ointments.

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Malva flowers, black, bls.....lb. No stocks
blue, bls.....lb. 1.55 - 1.60
Leaves, bls.....lb. .40 - .41
Manaca root, bls.....lb. .49 - .50
Mandrake root, bls.....lb. .53 - .54
Manganese acetate, dms.....lb. .26½ - —
Arsenate,[6] bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .16 - .18
Carbonate, bbls.....lb. .19 - —
Chloride, anhyd., bbls., wks.lb. .14 - .16
Dioxide, African, battery, 84%-87%, bbls., 28-40 tons, works..ton.74.00 - —
smaller lots, works..ton.77.00 -82.00
80-86%, bbls., c.l., works...ton.74.00 - —
smaller lots, works..ton.77.00 -82.00
burlap bgs., c.l., works...ton.71.75 - —
l.c.l., works.....ton.74.75 -79.75
paper bgs., c.l., works.ton.70.00 - —
l.c.l., works.....ton.73.00 - —
Glycerophosphate, fib. dms., 1,000-lb. lots..lb. 3.05 - —
100-lb. lots.....lb. 3.15 - —
cns., 25 lbs.....lb. 3.27 - —
Hydrate, bbls., dlvd.....lb. .26 - —
Iodide, bots.....lb. 5.70 - —
jars.....lb. 5.55 - —
Linoleate, liquid, 4%, dms...lb. .20 - —
solid, precip., 8.2%, bbls..lb. .22 - —
Naphthenate, 6% Mn, dms...lb. .17¾- —
Resinate, fused, 8½%, bbls..lb. .09 - .10½
precip., dms.....lb. .17½- —
Soyate, 8.2% Mn, dms.....lb. .22 - —
Sulphate, anhyd., dms., works...lb. No stocks
feed grade, 77-80%, bgs....lb. .04 - .06
fertilizer grade, 66%, bgs., c.l., dlvd. East..ton.62.00 - —
l.c.l., same basis, or Balto. or Cincinnati...ton.65.00 - —
industrial grade, 80%, bgs..lb. .05 - .05¾
76%, bgs., c.l., dlvd. East..ton.60.00 - —
Tallate, 4% Mn, dms.....lb. .10¼- .11½

Mangrove bark,[1,5] E. Africa, 38% tannin, c.l., ex dock, U. S. ports..ton.58.00 - —
Manna, flake, large, cs.....lb. 1.50 - 1.55
small, cs.....lb. No stocks
Mannitol,[6] com'l, bbls., works.lb. .35 - .40
reagent, cs. or multiples, works..lb. .85 - —
Marjoram, Argentine, bls.....lb. .14 Nom.
California, French type, new crop, bls., Pacific Coast..lb. .23 - .24
Chilean, bls.....lb. .08½- .09
Matico leaves, bls.....lb. .22 - .28
Menadione, USP, bots., works, gram. .10 - —
Menthol, natural, USP, Brazilian, cns..lb. 7.60 - 8.05
synthetic, tech., cns.....lb. No prices
USP, laevo, cns.....lb. No prices
racemic, cns.....lb. 6.10 - 6.20
Menthyl salicylate, tins.....lb. 3.00 - 3.10
Mercurial ointment, USP, mild, 10%, tubs..lb. .70 - .72
30%, pails.....lb. 1.30 - —
50%, pails.....lb. 1.86 - 1.90
Mercury bichloride (see Corrosive sublimate).
Bisulphate, dms.....lb. 2.59 - 2.61
Chloride (see Calomel).
Cyanide, cryst., powd.....lb. 3.86 - —
Iodide, red, NF, dms.....lb. 4.30 - —
yellow, NF, fib. dms.....lb. 4.46 - —
Oxide, red, NF (see Red precipitate).
yellow, USP, fib dms.....lb. 2.94 - 2.96
tech. (see Yellow. mercury oxide).
Mesityl oxide, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
Metal leaf, composition, 5½x5½ in..pkg. No stocks
Gold X+, deep, 23, 3⅝x3⅝ in., pkg. No stocks
Silver, 3⅝x3⅝ in.....pkg. No stocks

Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs. ..lb. .70 - —
Methanol,[1] natural, all grades, dms., c.l., E. of Miss. R. gal. .63 - —
l.c.l., same basis.....gal. .73 - —
tanks, same basis.....gal. .60 - —
Prices on natural methanol W. of Miss. R., 3c. higher.
synth., dms., c.l., Zone 1, frt. alld..gal. .31 - —
2, frt. alld. or dlvd....gal. .34 - —
3, frt. alld.....gal. .36 - —
4, frt. alld.....gal. .38 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .36 - —
2, frt. alld. .....gal. .43 - —
3, dlvd. S. F. and L. A. gal. .41 - —
4, frt. alld. or dlvd...gal. .51½- —
tanks, Zone 1, frt. alld..gal. .24 - —
2, frt. alld.....gal. .27 - —
3, frt. alld.....gal. .29 - —
4, frt. alld.....gal. .29 - —
Synthetic methanol zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in zone 4 have the option of buying at the delivered zone 4 price or at the zone 3 price, f.o.b. Los Angeles and San Francisco.
Methyl abietate, non-ret. dms., c.l., dlvd..lb. .15 - —
10 dms.....lb. .16¾- —
1-9 dms.....lb. .17¾- —

Methyl abietate, hydrogenated, non-ret. dms., c.l., dlvd. lb. .13¼- .15
10 dms., dlvd.....lb. .16¼- —
1-9 dms, dlvd.....lb. .17¼- —
Acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10½- .12
W. of Miss. .....lb. .11½- .12
l.c.l., E. of Miss....lb. .11 - .14
W. of Miss. .....lb. .12 - .13½
tanks, E. of Miss.....lb. .09½- —
W. of Miss. .....lb. .10½- —
tech., dms., c.l., E. of Miss. lb. .07 - .09
W. of Miss. .....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½- .11
W. of Miss.....lb. .08½- .10½
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .30½- —
Acetone, natural, Group A, dms., incl. B. of Miss., frt. alld..gal. .66 - —
l.c.l., same basis....gal. .76 - —
tanks, same basis.....gal. .60 - —
Natural methyl acetone prices W. of Miss. R., 3c. per gal. higher.
Group B, dms., c.l., Zone 1, frt. alld..gal. .62 - —
Zone 2, same basis.gal. .65 - —
Zone 3, same basis.gal. .67 - —
Zone 4, same basis.gal. .69 - —
l.c.l., Zone 1, same basis. gal. .66 - —
Zone 2, same basis.gal. .83 - —
Zone 3, same basis.gal. .70 - —
Zone 4, same basis.gal. .83 - —
tanks, Zone 1, same basis. lb. .60 - —
Zone 2, same basis.gal. .62 - —
Zone 3, same basis.gal. .64 - —
Zone 4 same basis.gal. .64½- —
Natural methyl acetone zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3—Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4—Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.
synthetic, dms., c.l., Zone 1.. gal. .51 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .53½- —
Zone 4.....gal. .54½- —
l.c.l., Zone 1.....gal. .54½- —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½- —
tanks, Zone 1.....gal. .43 - —
Zone 2.....gal. .44½- —
Zone 3.....gal. .45½- —
Zone 4.....gal. .45½- —
Synthetic methyl acetone zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo. Zone 3—Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore. and Seattle, Wash. Zone 4—Aris., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.
Alcohol (see Methanol).
Anthranilate, dms.....lb. 1.80 - 1.83
bots., cns.....lb. 2.20 - 2.60
Benzoate, cns.....lb. .45 - .55
Bromide, cns.....lb. .63 - .65
cyls.....lb. .55 - .70
Chloride, refrigeration, cyls., 500 lbs. and up, machine mfrs. and jobbers, cylinders. lb. .32 - —
service men and consumers..lb. .36 - —
50 to 499 lbs., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, 500-lb..lb. .40 - —
tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .36 - .40
60-499 lb. cyl.....lb. .40 - —
Methyl chloride quotations are spot or contract, ship. point; prices above are in 60, 90 and 130-lb. cylinders; 20-lb. cylinders 10c. per pound higher.
Alcohol (see Methanol).
Cinnamate, cns.....lb. 2.25 - 3.50
Formate, dms.....lb. .89 - —
Iodide, bots.....lb. 4.00 - 4.15
Lactate, dms., c.l., dlvd.....lb. No stocks
Oleate, dms., c.l.....lb. .25 - —
Salicylate,[1] dms., 500 lbs....lb. .35 - —
25-50 lbs.....lb. .37 - .38
Methylamyl ketone, cns., dms., works..lb. No stocks
Methylcellulose, special, vis. (4,000 cps.) fib. ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
smaller lots, frt. alld....lb. .65 - .70
standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .53 - —
smaller lots, frt. alld....lb. .58 - .68
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms. works..lb. .23 - —
Methylcyclohexanone, 98-100%, dms., works..lb. No stocks
Methylene blue, USP, kgs., works. lb. 2.00 - 2.15
cns., works.....lb. 2.35 - —
Chloride, refrig., dms., wks..lb. .18 - .28
solvent, dms., works.....lb. .12 - .15
Methyleneanilin, lbs., ton lots, min. frt. alld..lb. .36 - —
smaller lots, same basis....lb. .37 - —
Methylethyl ketone, dms., dlvd.lb. .09 - —
l.c.l., dlvd.....lb. .09½- —
tanks, dlvd.....lb. .08 - —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Methylisobutyl ketone, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
Methylnaphthyl ketone, cns...lb. 3.75 - —
Methylpentanediol, dms., c.l., works..lb. .16 - —
l.c.l., works.....lb. .16½- —
1 and 5-gal. cont., works..lb. .20½- .23½
tanks, works.....lb. .15 - —
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works.ton.47.50 - —
l.c.l., works.....ton.51.00 - —
roofing, 20 to 80 mesh, works. ton.50.00 -60.00
graphite, bulk, Pa., mines.ton.80.00 - —

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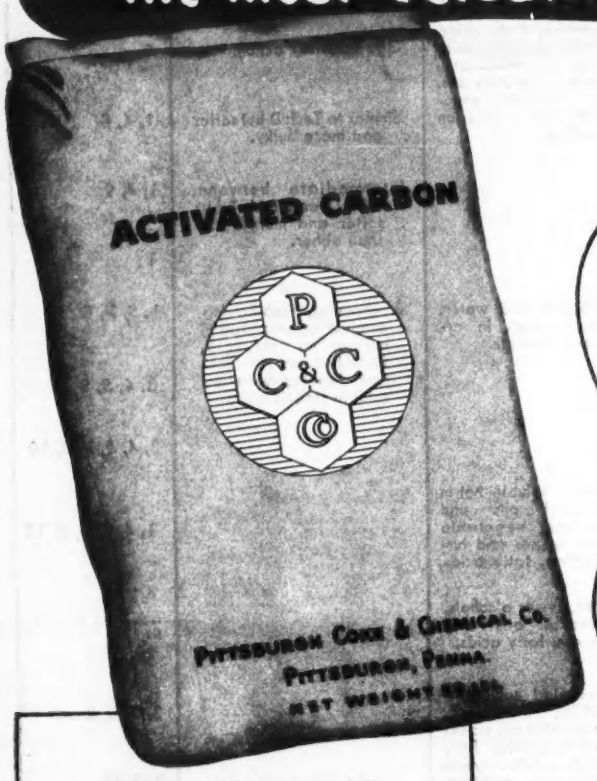

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P C&C

Chemical Sales Division

Pittsburgh Coke & Chemical Company

Grant Building — Pittsburgh, Pennsylvania

Mica, wet-grd., biotite, bgs., c.l., works frt. alld. E..lb. .05 - —
l.c.l., ex whse., or frt. alld. E..lb. .05½- —
extra fine, bgs., c.l., works, frt. alld. E..lb. .05¼- —
l.c.l., ex whse. or frt. alld. E..lb. .05¾- —
paint or lacq., bgs., c.l., works, frt. alld. E..lb. .06 - —
l.c.l., ex whse. or frt. alld. E..lb. .06½- —
rubber, bgs., c.l., works, frt. alld. E..lb. .05¾- —
l.c.l., ex whse. or frt. alld. E..lb. .06¼- —
wallpaper, bgs., c.l., works, frt. alld. E..lb. .06 - —
l.c.l., ex whse. or frt. alld. E..lb. .06½- —
white, extra fine, bgs., c.l., works, frt. alld. E..lb. .06½- —
l.c.l., ex whse. or frt. alld. E..lb. .07 - —
Mica, wet-grd., W. of Miss. R., ½c. higher; W. of Rockies, ¾c. higher.
Milk powder,[1,7] skimmed, roller, bulk, c.l..lb. .15½- .17½
spray, bulk c.l.....lb. .15¾- .17¼
whole, roller, bbls., c.l.....lb. .40 - .41
spray, bbls., c.l.....lb. .41 - .42
Milk sugar, bbls., c.l., works..lb. .26 - —
l.c.l., works.....lb. .26¾- .27¼
Mineral spirits (see Petroleum, mineral spirits).
Molasses,[1,6] blackstrap, tanks, works Area 1..gal. .18 - —
Area 2.....gal. .18½- —
Area 3.....ton.26.00 - —
Area 4.....ton.29.00 - —
tanks, Area 5.....ton.34.60 - —

Area 1, Fla., Ga., La., Tex.; Area 2, Mass., Md., N. J., N. Y.; Area 3, Calif.; Area 4, Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.

Molybdate orange (see Orange, molybdate).
Molybdenum metal,[6] kgs., 90%, powd..lb. 2.60 - 3.00
Trioxide,[1,5] pure, kgs., works, basis Mo. content..lb. .95 - —
technical, kgs., works, basis Mo. content..lb. .80 - —
Monoamylamine, dms., c.l., works, basis 100%..lb. .61 - —
l.c.l., works, basis 100%...lb. .64 - —
Monochlorobenzene, dms., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .09
Monoethanolamine, dms., c.l., frt. alld. E..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Monoethylamine, dms., c.l., works, basis 100%..lb. .17 - —
l.c.l., works, basis 100%...lb. .18 - —
tanks, 100% basis, works..lb. .15 - —
Monomethylene, anhydrous, cyl., works, frt. alld. E. of Miss. 100% basis..lb. .32½- —
Monomethylene solution, dms., works, frt. alld. E. of Miss., 100% basis..lb. .37 - .43½
tanks, same basis.....lb. .32 - —
Monomethylpara-aminophenol sulphate, dms..lb. 2.40 - 2.90
Monosodium phosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs .....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs. .....oz. 8.80 - —
Hydrobromine, 5 ozs. .....oz. 8.95 - —
cns., 25 ozs. .....oz. 8.75 - —
Hydrochloride, bots., 5 ozs..oz. 9.00 - —
cns., 25 ozs. .....oz. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., l.c.l., works, lb. .67 - —
smaller containers, works...lb. .75 - —
Mullein leaves, cns.....lb. .12 - .18
Musk, nat., Tonquin, grains, bots., oz.55.00 -60.00
synthetic, ambrette, cns., 100 lbs. or more..lb. 4.00 - 9.10
25 lbs. .....lb. 4.10 - 9.20
5 lbs. .....lb. 4.25 - 9.45
ketone, cns., 100 lbs. or more..lb. 4.15 - 9.25
25 lbs. .....lb. 4.25 - 9.35
5 lbs. .....lb. 4.40 - 9.70
xylol, cns. .....lb. 1.40 - 2.00
25 lbs. .....lb. 1.50 - 2.60
5 lbs. .....lb. 1.65 - 2.90
Muskroot, bls.....lb. No prices
Mustard seed, Calif., Brown, bgs. lb. .15½- .16
yellow, bgs.....lb. .21 Nom.
Danish, yellow, bgs., futures.. lb. .21½- .22
Montana, brown, bgs., futures.. lb. .10½- .11
oriental, bgs.....lb. .12 - .13½
futures, f.o.b. source....lb. .08½- .09
yellow, bgs.....lb. No prices
futures .....lb. .16½- .17
Washington, yellow, bgs.....lb. .16½- .17
Myrobalans,[1] whole J1, U. S. ports, ex dock..ton.51.00 -52.00
J2, same basis.....ton.48.00 -49.00

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74°, bgs., c.l., frt. equald..lb. .03 - .03¼
bbls., c.l., same basis..lb. .0335- .0375
tanks, same basis.....lb. .0275- .0325
78°, bgs., c.l., same basis. lb. .0325- .0375
bbls., c.l., same basis...lb. .0325- .0375
tanks, same basis.....lb. .03 - .0375
refined, balls, flakes, bbls., wholesalers and jobbers, c.l., works.....lb. .09¼- —
50-lb. cs., same basis....lb. .09¾- —
1-lb. pkgs., same basis..lb. .11 - —
Neocinchophen, USP, dms., works. lb. 7.00 - 7.10
Nepheline syenite, glass grade, 24 mesh, bulk, Rochester, N. Y...ton.12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N. Y..ton.15.50 - —

Nephelinesyenite in bgs. is $2 per ton higher than bulk.

Nerolin, crys., cns.....lb. 1.70 - 1.95
Niacin (see Acid, nicotinic).
Nickel, carbonate, bbls.....lb. .36 - .36¼
Chloride, bbls. .....lb. .18 - .20
Cyanide, bots., dms.....lb. No stocks
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls. .....lb. .13 - .13½
Nicotinamide, USP, dms., works, kilo. 9.50 - 9.80
Nicotine sulphate, 40%, dms., 50 lbs. to dealers, frt. allowed over 96 lbs..lb. .8660- —
tins, 10 lbs. .....lb. 1.015 - —

Nikethamide, bots., cbys.....lb. 7.00 - 8.00
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l., lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ⅛ sec., 30-35 cps., bbls., works, dry weight..lb. .28 - —
5-6, 40-60 cps., same basis. lb. .27 - —
Ester-soluble, ¼, ½ sec., 30-35 cps., bbls., works, dry weight..lb. .28 - —
5-6, 15-20 cps. and higher, bbls., works, dry weight, lb. .25 - —

Nitrocellulose:—Denatured alcohol used in manufacture is charged extra. Barrels extra, but returnable.

Nitroethane, dms., works.....lb. .25 - —
Nitrogen solut., tanks.....ton.108.21 - —

Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis, Hopewell, Va., bulk, works.

Nitrogenous process tankage,[1,7] bulk, works..unit-ton. 3.15 - 3.50
Sewage sludge,[1] bulk, works, unit-ton. 2.60-+.40-3.00-+.40
Nitromethane, dms., c.l., works, lb. .25 - —
Nitronaphthalene, bots. .....lb. .24 - .25
Nitropropane 1, dms., works..lb. .25 - —
M, dms., works.....lb. .25 - —
Nutgalls,[8] bgs. .....lb. .50 - .52
Nutmegs,[7] West Indian, bgs., Sept.-Oct..lb. .80 - .81
Nux vomica, bls. .....lb. .09½- .10
powder, bbls., bxs.....lb. .13 - .14

O

Oakbark extract,[1,6] 25% tannin, bbls., c.l., works..lb. No stocks
Octane,[1] 100° C-140° C, industrial grade dms., c.l., G.3..gal. .15½- —
l.c.l., G. 3.....gal. .29 - —
10 gals., G. 3.....gal. .55 - —
tanks, G. 3.....gal. .13 - —
Octanol, (see Alcohol, ethylhexyl).
Oil, almond, artificial (see Benzaldehyde).
Bitter, F.P.A., bots.....lb. 4.75 - 5.00
USP, bots.....lb. No prices
sweet, exp., dms., cns....lb. 1.10 - 1.45
Angelica root, bots.....lb.113.00 -275.00
Seed, bots..... .....lb.113.00 -265.00.
Anilin (see A).
Anise, USP, Chinese, dms....lb. 1.45 - 2.75
Russian, cns.....lb. 3.75 - —
Apricot kernel, cns.....lb. .60 - .85
Avocado, cns., dms.....lb. 1.00 - 1.10
Babassu,[1] tanks.....lb. .12 - —
Bay, W. I., 50-55%, cns.....lb. 1.30 - 1.65
Puerto Rican, 50-55%, cns..lb. 1.58 - 1.75
Bergamot, artif., cns.....lb. 2.25 - 5.50
natural, Italian, cns.....lb. 4.50 - 6.50
Birch (see Oil, sweet, birch).
Birchtar, crude, cns.....lb. 5.00 - 6.00
rectified, cns.....lb. No stocks
Bois de rose, Brazil, cns....lb. 5.15 - 6.00
Mexican (see Oil, lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cade, USP IX (see Juniper tar).
Cajeput, tech., dms.....lb. 2.25 Nom.
redistilled, USP IX, cns...lb. 2.40 - 2.75
Calamus, cns.....lb.20.00 -30.00
Camphor, white, nat., cns...lb. .96 - 1.25
synthetic, cns.....lb. .15 - .35
Oil, cananga, native, cns.....lb. 8.00 -14.00
rectified, cns.....lb.10.50 -17.00
Capsicum (see Capsicum, oleoresin).
Caraway, NF, cns.....lb. 6.00 - 8.75
Cardamom, bots. .....lb.18.00 -25.00
Cassia, USP, cns.....lb. 4.00 - 6.50
Castor, blown, ret. dms., c.l..lb. .21¾- —
l.c.l. .....lb. .22¼- —
cold pressed, USP, cns.....lb. .22¾- .23¼
dms., c.l.....lb. .20¾- —
l.c.l. .....lb. .21 - —
tanks .....lb. .1950- —
dehydrated,[1] bodied, dms., c.l. lb. .2679- —
l.c.l. .....lb. .2719- —
tanks .....lb. .2689- —
unbodied, dms., c.l.....lb. .2579- —
l.c.l. .....lb. .2619- —
tanks .....lb. .2589- —
No. 5, tech., dms., c.l.....lb. .20 - —
l.c.l. .....lb. .20¾- —
tanks .....lb. .1920- —
sulphonated, 50% (49% fat), dms., c.l..lb. .11 Nom.
l.c.l. .....lb. .11½ Nom.
75% (62-64% fat), dms., c.l.. lb. .14 Nom.
l.c.l. .....lb. .14½ Nom.
Cedarleaf,[1] USP, cns., dms..lb. 2.55 - 2.70
Cedarwood, USP, cns.....lb. .80 - 1.30
dms. .....lb. .86 - 1.15
Celery, bots.....lb.17.00 -22.00
Chaulmoogra, USP, cns.....lb. .60 - .85
Chinawood (see Oil, tung).
Cinnamon bark oil, bots.....lb.32.00 -41.00
leaf, dms.....lb. 1.40 - 1.85
Citronella, Ceylon, cns.....lb. 1.85 - 2.75
Clove, USP, cns.....lb. 1.55 - 1.85
Cocenut,[1] crude, Ceylon, bulk, c.i.f. N. Y..lb. .0885- —
Cochin type, bulk, c.i.f. N. Y..lb. .0963- —
Manila, bulk, c.i.f. N. Y..lb. .0868- —

BEMIS MINUTE MOVIES

for Shippers who want to save time and money

"The Salvation of Mr. Useful"

Scenario: Mr. Useful, a well-known chemical has an important job—absorbing moisture. But he overdid it. Being so thirsty, he often reached work pretty well "loaded."

Question: how to keep our hero away from drink until he reaches the job. Obvious answer: a moistureproof container. But, here's the hitch: the container must be low cost. So...

Happy Ending: Mr. Useful now goes to work in Bemis Waterproof Laminated Textile Bags. His weakness is controlled. He arrives in fine shape ... does a good job ... and saves money.

PRE-TESTS STOP PROTESTS! Bemis Waterproof Laminated Textile Bags head off complaints because they are tested *before* they are put to work. Their strength and tear-resistant, puncture-resistant qualities are pre-proved for you. And their economy is attested by thousands of users.

This Bemis Waterproof Bag is light in weight, yet is the strongest shipping bag made. It assures low-cost protection against sifting, breakage, change in moisture content, escape or absorption of odors, and many other common shipping complaints. A Bemis Waterproof Bag can also be made acid-, oil-, or grease-resistant. It's ideal for LCL and export shipments. Empty or filled, it saves storage space.

If the *exact* Waterproof Bag you need doesn't exist, the Bemis Shipping Research Laboratory will design it for you.

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Plants and Offices in 33 Principal Cities

Oil, coconut, ref., bleached, undeod., tankcars.....lb. .10175- —
blehd., deod., tankcars..lb. .1055- —
Cod, Newfoundland, dms...gal. .88 - .90
tanks.....gal. .86 - —
Codliver, USP, bbls., dms..gal. 2.60 - 3.80
Coriander, bots.....lb.18.00 -22.50
Corn, crude, tanks, works..lb. No prices
deod., blchd., tanks, Chicago..lb. No prices
foots, acid, 95%, tanks, dlvd. E..lb. No prices
raw, 50%, tanks, dlvd. E.lb. No prices
Cottonseed, crude, tanks, works.lb. .25 - —
foots, acid 95%, tanks, dlvd. E..lb. No prices
raw, 50%, tanks, dlvd. E..lb. No prices
salad, or winterized, tankcars lb. No prices
Creosote (see C).
Croton, NF, cns.....lb. 4.75 - 5.50
Cubeb, cns.....lb. No prices
Crude (see Petroleum, crude)
Cumin, bots.....lb. 8.50 -22.00
Cypress, bots.....lb.12.00 -16.00
Dagras (see D).
Dillseed, bots.....lb. 6.00 - 7.00
Dillweed, bots.....lb. 4.00 - 5.00
Dip (see D).
Erigeron, cns.....lb. 2.25 - 4.40
Eucalyptus, USP, rect., 80-90%, cns..lb. 1.18 - 1.40
70-80%, cns.....lb. 1.05 - 1.40
Fennel, sweet, cns.....lb. 3.75 - 4.50
Fir, Canada, cns.....lb. 2.50 - 2.80
Fishliver, dms., less than 40,000 A units per gram.... per million units .30 - —
for each 1,000 additional A units up to 200,000 grams, per million units. .001 - —
Oil, fishliver, 200,000 or more A units ...per million units. .40 - —
Fuel (see Petroleum, fuel oil).
Garlic, pure, bots.....oz.15.00 - —
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns.....lb.16.00 -28.00
Bourbon, cns.....lb.16.25 -22.00
Russian, cns.....lb. No stocks
Turkish (see Oil, palmarosa).
Ginger, dist., bots.....lb.11.00 -14.00
Grapefruit, Florida, cns.....lb. 2.20 - 2.45
California, bots., cns.....lb. 2.30 - —
Grease,[1] common, No. 1, bbls., c.l...lb. .14 - —
extra, No. 1, bbls., c.l....lb. .14½- —
Winter strained, bbls., c.l..lb. .15 - —
prime, burning, bbls., c.l..lb. .16 - —
inedible, bbls., c.l.....lb. .15½- —
Guaiacwood, cns.....lb. 2.90 - 4.00
Hemlock, cns.....lb. 2.60 - 2.75
Herring,[1] crude, tanks, Pac. coast..lb. .09 - —
Juniper berry, dom., bots....lb. 6.50 - 8.50
Juniper tar, USP (see Juniper Tar).
Juniper wood, tech., cns.....lb. .85 - 1.00
Lard oil (see Oil, grease).
Laurel, bots.....lb. No prices
Lavandin, cns.....lb. 4.15 - 5.00
Lavender flower, French, 38%-42% ester, cns..lb.10.00 -17.00
30-32% ester.....lb. 6.00 -10.00
Russian, cns.....lb.13.75 - —
Spike, Spanish, pure, cns...lb. 2.35 - 3.10
tech., cns.....lb. 2.10 - 2.50
Lemon, USP, Calif., cns....lb. 3.25 - —
Messina,[1] cns.....lb. 3.25 - —
Terpeneless, bots.....lb.40.00 -50.00
Lemongrass, cns., dms.....lb. 3.80 - 4.45
Lignaloe seed, Mexican, cns.lb. No stocks
Wood, Mexican, cns.....lb. 4.60 - 5.75
Brazilian (see Bois de Rose).
Lime, distilled, Mexican, cns. lb. 5.25 - 7.20
West Indian, cns.....lb. 6.00 - 7.50
expressed, West Indian, cns.lb.13.50 -15.00
Oil, linseed,[1] raw, dms., c.l....lb. .1880- —
l.c.l.....lb. .1930- .1990
tanks.....lb. .1800- —
tankwagon.....lb. .1800- —
Boiled linseed oil, .004 higher than raw.
Linseed, replacement, dms., c.l. lb. .1790- —
dms., l.c.l.....lb. .1870- .1890
tanks.....lb. .1710- —
Lubricating,[1] at refinery, ex tax, California, neutral, pale, 200-800 vis., 2¼-4 pour, tanks..gal. .07¼- .11
red, 200-900 vis., 4-6½ pour, plus tanks..gal. .07¼- .11¼
Group 3, bright stock, 150-160 vis., 0.25 pour, tanks, gal. .23 - 25
neutral, 300 vis., No. 3, col., 0.10 pour, tanks..gal. .18½- .19
200-300 vis., No. 3, col., 15-25 pour, tanks..gal. .16 - .18
145-155 vis., No. 3, color, 10-25 pour, tanks..gal. .26 - .31
cylinder oils, 600-630 flash, tanks..gal. .17 - .19
600-650 steam, refd., tanks..gal. .15½- .20
neutral, 70° F., No. 3 color, 150 vis., 25 pour, tanks, gal. .26 - .36
200 vis., 25 pour, tanks, gal. .28 - .38
Mace, dist., cns., dms.....lb. 6.75 - —
Mineral, white (see Oil, white).
Mandarin, Brazilian, cns.....lb. 6.40 -10.00
Menhaden,[1] crude, tanks, Balto. lb. .099 - —
refined, alkali dms., c.l....lb. .1400 Nom.
kettle-bodied, dms., l.c.l..lb. .1500- —
light-pressed, dms., l.c.l..lb. .1300- —
tanks.....lb. .1220- —
Mustard, artif., USP, cns....lb. 1.45 - 1.65
Seed, exp., dms., extra....lb. .14½- —
Oil, neatsfoot,[1] 15°, bbls.....gal. 1.80 Nom.
20°, bbls.....gal. 1.75 Nom.
30°, bbls.....gal. 1.55 Nom.
pure, bbls.....lb. No prices
Neroli, French, bots.....lb.150.00 -300.00
Haitian, bots.....lb.170.00 -200.00
Nutmeg, cns.....lb. 6.75 - —
Ocotea cymbarum, dms.....lb. .85 - .95
Officica,[1] liquid, dms., c.l....lb. .25½- —
l.c.l.....lb. .26 - .27
Oleo, extra, tcs., Chicago....lb. No prices
prime, Chicago.....lb. No prices
Olibanum, bots.....lb. 5.00 - 5.70
extra fine.....lb. 6.25 - —
Olive, denat., dms.....gal. No stocks
edible, Calif., 3%-½% f.f.a., dms., extra, works..gal. 4.30 - 4.50
imported, dms.....gal. 4.21½-5.11½
foots, dom., dms., c.l.....lb. .18 - —
tankcars, works.....lb. .17 - —
imp., dms., c.l., ex dock..lb. .18 - —
lb. .18 - —
tankcars, ex dock....lb. .17 - —
sulphonated, 50% (40% fat), dms., c.l..lb. No stocks
l.c.l.....lb. No stocks
80% (68% fat), dms., c.l.lb. No stocks
l.c.l.....lb. No stocks
85% (69% fat), dms., c.l.lb. No stocks
l.c.l.....lb. No stocks
Orange, sweet, dist., cs.....lb. 1.25 - 1.75
expressed, USP, Brazilian, cns..lb. 1.45 - 2.60
Calif., cns.....lb. 1.60 - 2.00
Florida, cns., dms.....lb. 1.45 - 1.80
Messina, coppers.....lb. No stocks
West Indian, cns.....lb. 2.25 - 3.75
sesquiterpeneless, bots.....lb.100.00 -114.00
Origanum, Spanish, cs.....lb. 2.85 - 3.10
Palm,[1,7] Niger, dms.....lb. .0665- —
Palmarosa, cns.....lb. 9.00 - 9.50
Palmkernel,[1] crude, bulk, c.l.f., N. Y..lb. .0835 Nom.
Paraffin,[1] 300° flash, 100-110 vis., tanks, G.S..gal. .05¾- —
320° flash, 60-70 vis. tanks, G.S..gal. .05¼- —
350° flash, 70-80 @ 100 vis., 0/10 pour, G.S..gal. .06 - —
80-85 vis., 0/10 pour bbls. extra, ind. ref'y..gal. .12 - —
100-110 vis., 0/10 pour, same basis..gal. .06¼- —
10/25 pour, same basis.gal. .06¼- —
Patchouli, imported, cns.....lb.70.00 -114.00
Peanut, bleached, undeord., tankcars..lb. No prices
crude, tanks, works.....lb. .25 Nom.
foots, acid, 95%, tanks, dlvd. E..lb. No prices
raw, 50%, tanks, dlvd., E.lb. No prices
hydrogenated, tankcars.....lb. No prices
Pennyroyal, dom., dms., cns.lb. 3.25 - 3.60
import, cns.....lb. 4.25 - 4.50
Peppermint, natural, dms...lb. 7.75 - 9.15
redist, USP, dms.....lb. 8.35 - 8.75
Perilla, crude, dms.....lb. No stocks
Petitgrain, Paraguay, cns., dms. lb. 4.25 - 4.75
Pimento, berry, dms.....lb. 9.75 - 9.90
leaf, cns.....lb. 3.25 - 3.65
Pine, destructively dist., ret. dms., l.c.l., Jacksonville..gal. .63 - —
New Orleans.....gal. .60 - —
steam dist., dms.....gal. .65 - —
Pineneedle, cns.....lb. 3.35 - 3.65
Putty, petroleum, heavy, dms. gal. .18 - —
tankwagon.....gal. .13½- —
light, dms.....gal. .16½- —
tankwagon.....gal. .12½- —
Rapeseed, bulk.....lb. .13 - —
Red,[1] single dist., ret. dms., c.l., dlvd. E. of Rockies..lb. .13¾- —
W. of Rockies.....lb. .14¼- —
Texas and Okla.....lb. .13¾- —
tanks, dlvd., E. of Rockies.lb. .12½- —
W. of Rockies.....lb. .13½- —
Texas and Okla.....lb. .13 - —
double dist., ret. dms., c.l., dlvd. E. of Rockies..lb. .15¾- —
W. of Rockies.....lb. .16¾- —
Texas and Okla.....lb. .16¾- —
special, non-ret. dms., bbls., c.l., dlvd. E. of Rockies. lb. .16¾- —
W. of Rockies.....lb. .17¾- —
Texas and Okla.....lb. .17¼- —
Rose, natural, coppers.....oz.31.25 -40.00
Rosemary, Spanish, tech., cns., dms..lb. 1.10 - 1.50
USP, cns., dms.....lb. 1.40 - 1.75
Rosin, 1st rectified, dms....gal. .66 - —
2d rectified, dms.....gal. .68 - —
3d rectified, dms.....gal. .72 - —
Rue, bots.....lb. 4.75 - 5.25
Sage, Dalmatian, cns.....lb. 6.50 - —
Spanish, cns.....lb. 2.35 - 3.50
Sandalwood, NF, Mysore, cns., case lots..lb.11.15 -18.25
Sardine, crude[1], tanks Pac. coast..lb. .1040- —
refined, alkali, dms., l.c.l..lb. .1550- —
kettle-bodied, dms., l.c.l..lb. .1650- —
light-pressed, dms., l.c.l..lb. .1450- —
tanks.....lb. .1370- —
Sassafras, artificial.....lb. .80 - 1.10
natural, Brazilian (see Oil, ocotea cymbarum).
domestic, USP XII, cns., dms..lb. 1.90 - 2.30
Savin, cns.....lb.27.00 - —
Savory, cns.....lb. 8.00 - —
Seal,[1] No. 1, tanks, U.S. ports. lb. .069 - —
Sesame, tanks.....lb. .1430- —
Shingle stain, bbls., c.l., works, gal. .2185- —
l.c.l., works.....gal. .25 - .29
tanks, works.....gal. .15 - .16
Snakeroot, Canada, cns.....lb. No stocks
Soybean, clarified, dms.....lb. No prices
tanks.....lb. No prices
crude, tanks, Decatur.....lb. .25 Nom.
winterized, tankcars, Decatur..lb. No prices
ret. dms.....lb. No prices
sedd., varnish, dms.....lb. No prices
tanks.....lb. No prices
foots, acid, 95%, tanks, dlvd. E..lb. No prices
raw, 50%, tanks, dlvd. E.lb. No prices
Spearmint, dms.....lb.12.25 -14.00
Sperm, bleached, 38°, dms..lb. .1445- —
natural, 45°, dms.....lb. .1510- .1811
Spruce,[1] cns., dms.....lb. 2.60 - 2.75
Sunflower, imported, refined, tanks..lb. .1438- —
semi-refined, tanks.....lb. .1430- —
Sweet birch, North, cns....lb. 5.00 - 7.25
South, cns.....lb. 2.50 - 3.25
Tall,[1] crude, dms., c.l., works, ton.58.65 -65.00
l.c.l., works.....ton.58.65 -63.65
tanks, works.....ton.40.00 -45.00
refined, dms., c.l., works..lb. .06 - .06¼
l.c.l., works.....lb. .06¼- —
tanks, works.....lb. .04¼- —
Tallow,[1] acidless, bbls., c.l., Chicago..lb. .09¾- —
tanks, Chicago.....lb. .09¼- —
Tansy, cns.....lb.12.00 - —
Tar,[1] pine, crude, dms., c.l., dlvd. E. cities..gal. .32¾- —
l.c.l., works.....gal. .29¾- —
tanks, dlvd. E. cities....gal. .27 - —
rectified, USP, bbls.....gal. .60¼- —
Tar acid (see T).
Thyme, red, NF, cns.....lb. 2.60 - 3.65
White, cns.....lb. 2.85 - 3.75

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The new odor successes in the perfume and cosmetic field will be based upon these:

CUIRUSAL
Powerful aldehyde useful in floral and many fancy bouquets. Russian Leather.

ALDEHYDE FK
Basic for Lilacs to create richer, stronger Lilac Odor. Add up to 10% Aldehyde FK.

RESEDALIA
A chemical surprisingly true to the odor of Reseda Mignonette.

TUBEROL
Basic for Tuberose odors and perfumes for creams, lotions, etc.

VIOLETTONE
A Ketone basis with Patchouly note for Violet Odors.

JASMINOL
Similar in odor to Alpha Amyl Cinnamic Aldehyde but softer and finer. Stable in soaps and creams. Basis for Jasmin Odors.

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Softener and homogenizer for all types of Floral Odors.

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AROMATICS DIVISION

Oil, tung,[1] tks., c.l.	lb.	.39	- .39½
l.c.l.	lb.	.40	- .41
tanks	lb.	.38½	- —
Turkey red (see Oil, castor, sulphonated).			
Turpentine, rectified, USP, cns., dms.	lb.	.26	- .45
Vetiver, Bourbon, cns.	lb.	37.50	-42.50
Haitian	lb.	32.50	-35.00
Whale,[1] ref., natural, dms.	lb.	No stocks	
Winter bleached, dms.	lb.	No stocks	
Wheat germ, dms.	gal.	10.00	-13.50
White mineral, tech., 50-65 vis., dms., incl., c.l.	gal.	.40	- —
l.c.l.	gal.	.43	- .47
65-75 vis., dms., dms. incl., c.l.	gal.	.41	- —
l.c.l.	gal.	.44	- .48
USP, 80/90 vis., dms., dms. incl., c.l.	gal.	.43	- —
l.c.l.	gal.	.46	- .50
125/135 vis., dms., dms. incl., c.l.	gal.	.54½	- —
l.c.l.	gal.	.57½	- .61½
145/155 vis., dms., dms. incl., c.l.	gal.	.56½	- —
l.c.l.	gal.	.59½	- —
175/185 vis., dms., dms. incl., c.l.	gal.	.59	- —
l.c.l.	gal.	.62	- .66
200/210 vis., dms., dms. incl., c.l.	gal.	.63	- —
l.c.l.	gal.	.66	- .70
335/345 vis., dms., dms. incl., c.l.	gal.	.71	- —
l.c.l.	gal.	.74	- .78
55, 70 and 85 vis., non-ret. dms., SanFrancisco.	gal.	.45	- —
smaller lots, same basis.	gal.	.47	- .50
100 vis., non-ret. dms., 65 dms., San Francisco.	gal.	.56½	- —
smaller lots, same basis.	gal.	.57½	- .61½
145 vis., non-ret. dms., 65 dms., San Francisco.	gal.	.64	- —
smaller lots, same basis	gal.	.66	- .69
180 vis., non-ret. dms., 65 dms., San Francisco.	gal.	.69½	- —
smaller lots, same basis	gal.	.71½	- .74½
340 vis., non-ret. dms., 65 dms., San Francisco.	gal.	.81	- —
smaller lots, same basis	gal.	.83	- .86
Wintergreen, natural, North, cns.	lb.	5.50	-12.00
South, cns.	lb.	3.65	- 4.25
synthetic (see Methyl salicylate).			
Wood (see Oil, tung).			
Wormseed, cns.	lb.	6.00	- 6.75
Wormwood, cns.	lb.	10.00	-12.25
Ylang-ylang, Bourbon, extra, bots.	lb.	18.00	-24.00
first, bots.	lb.	14.00	-17.50
second, bots.	lb.	10.50	-14.00
third, bots.	lb.	5.75	- 9.00
Oleostearin,[2,9] loose, Chicago.	lb.	.106	- —
Olivine, aggregate, c.l., mines.	ton.	7.00	- 9.50
crushed, 8 mesh, bulk, c.l., works.	ton.	8.00	- —
paper bgs., c.l., works.	ton.	9.50	- —
lumps, paper bgs., c.l., works.	ton.	7.00	- —
spalls, paper bgs., c.l., works.	ton.	5.00	- —
Opium, USP, cns.	lb.	21.30	-21.55
gran.	lb.	22.70	-29.95
powd.	lb.	22.70	-29.95
Orange, cadmium lithopone, bbls., frt. alld. E. of Rockies.	lb.	.65	- .95
Chrome, CP, bbls., dlvd. N. of Tenn. and N.C., E. of Miss R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts.	lb.	.18¾	- —
Chrome orange prices are ¼c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1¼c. Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c.; Ft. Worth, Tex., 1½c.; El Paso, Tex., 2c.; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.			
Dinitroaniline, toner	lb.	1.12	- —
Molybdate,[1] bbls.	lb.	.34½	- —
Orthonitroaniline toner,[1] bbls., kgs., works.	lb.	.86	- 1.05
Persian,[1] bbls.	lb.	.30	- .45
Orange mineral, American, bbls., 5 tons, dlvd. Ala., Cal., Fla., Ga., La., Miss., Tex. and W. of Cascade Mts. in Ore. and Wash.	lb.	.14	- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.14½	- —
Mont., Wyo., Colo., N. Mex.	lb.	.14¼	- —
other points	lb.	.13¾	- —
smaller lots, Ala., etc.	lb.	.14½	- —
Ariz., etc.	lb.	.15	- —
Colo., Mont., N. M., Wyo.	lb.	.14¾	- —
other points	lb.	.14¼	- —
Orange flowers, cs.	lb.	.46	- .48
Orange peel, bitter, Haitian, bls.	lb.	.13	- .15
Sweet, bls.	lb.	.13½	- .14
Oregano, Italian, bgs.	lb.	.27	- .27½
Mexican, curly leaf, bgs.	lb.	.10	- .10½
flat leaf, bgs.	lb.	.09½	- .10¼
Portuguese, bgs.	lb.	.24½	- .25½
Orris root, Florentine, bls.	lb.	.40	- .41
Verona, bls.	lb.	.35	- .36
Portuguese, bls.	lb.	.35	- .36
Orthoamylphenol, dms., works.	lb.	.25	- —
Orthoanisidin, bbls.	lb.	.70	- —
Orthochloroaniline, dms.	lb.	.60	- —
Orthochlorophenol, dms.	lb.	.25	- .27
Orthocresol,[3] 30.4° C., min., M.P., dms., c.l., works.	lb.	.17½	- .22
l.c.l., works	lb.	.18	- .18½
29° C. min., M.P., dms., c.l., works.	lb.	.16½	- .17
l.c.l., works	lb.	.17	- .17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies.	lb.	.07	- —
l.c.l., same basis	lb.	.08	- —
tanks, same basis	lb.	.06½	- —
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.			
Orthonitroaniline, dms.	lb.	.43	- .55
Orthonitrochlorobenzene, dms.	lb.	.15	- .18
Orthonitrodiphenyl, tech., grade A., dms., c.l., works.	lb.	.10	- —
l.c.l., works	lb.	.11	- —
grade B, dms., c.l., works.	lb.	.06	- —
l.c.l., works	lb.	.07	- —
Orthonitroparachlorophenol, cns.	lb.	.75	- —
Orthonitrotoluene, dms.	lb.	.09	- —
Orthophenetidin, dms.	lb.	.82	- —
Orthotoluidin, dms.	lb.	.19	- —
Osage orange crystals, bbls.	lb.	.29	- —
extract, No. 1, bbls.	lb.	.14	- —
Ouabaine, USP, bots.	gram.	3.00	- 4.00
Oxyquinolin sulphate, cns., 100 lbs., works.	lb.	3.50	- —
small lots, works	lb.	3.75	- 4.15

P

Papain, powd., cs.	lb.	5.25	- 5.50
Papaverine, natural or synthetic, hydrochloride, NF, cns., 100-oz. lots.	oz.	7.00	- —
smaller lots	oz.	7.05	- 7.35
Sulphate, cns.	oz.	7.10	- 7.35
Paprika, Calif., sweet Callente, ground, bgs.	lb.	.40	- .41
Chilean, bgs.	lb.	.38	- .39½
Portuguese, bgs.	lb.	.39	- .41
Spanish, bgs.	lb.	.43½	- .44
Para-anisidin, dms., works.	lb.	.75	- —
Parachlorophenol, dms., c.l. works,	lb.	.24	- —
l.c.l., same basis	lb.	.25	- .27
Paracresol, bbls., works.	lb.	.41	- —
Paracymene, dms., c.l., works.	lb.	.1595	- —
l.c.l., same basis	lb.	.1645	- —
tanks, same basis	lb.	.1545	- —
Paradichlorobenezene, dms., c.l., works.	lb.	.11	- .12
l.c.l., same basis	lb.	.12¼	- .13
Paraffin,[1] crude scale, white or yellow, 124-126 ASTM, bbls., c.l., refinery.	lb.	.05¼	- —
fully ref'd slabs, loose, 117-119 ASTM, c.l., refinery.	lb.	.06	- —
123-125 ASTM, refinery.	lb.	.0520	- —
125-127 ASTM, refinery.	lb.	.0520	- —
128-130 ASTM, refinery.	lb.	.0560	- —
130-132 ASTM, refinery.	lb.	.0585	- —
133-135 ASTM, refinery.	lb.	.0615	- —
135-137 ASTM, refinery.	lb.	.0640	- —
Prices in bags 4/10c. lb. higher.			
Paraformaldehyde, dms. 1,000 lbs. or more, works.	lb.	.21	- —
smaller lots, works	lb.	.22	- —
Paraldehyde, tech., 98% 55 and 110-gal. dms., l.c.l., wks.	lb.	.12	- —
10-gal. dms., works.	lb.	.15	- —
USP, cbys., cns.	lb.	.35	- .45
Paranitroanilin, kgs., works.	lb.	.41	- .47
Paranitrochlorobenzene, kgs., wks.	lb.	.15	- —
Paranitrophenol, kgs.	lb.	.35	- —
Paranitrotoluene, kgs., works.	lb.	.30	- —
Paraphenylenediamine, tech. kgs.	lb.	1.25	- —
Paratoluenesulphonamide bbls.	lb.	.70	- —
Paratoluidin, bbls., works.	lb.	.48	- —
Paris green,[1] dealer, distributor, dms., kgs., c.l., works, frt. alld.	lb.	.26	- —
l.c.l., same basis	lb.	.27	- —
Passion flower herb, bls.	lb.	.30	- .32
Patchouli leaves, bls.	lb.	.38	- .40
Pectin, bbls.	lb.		
Penicillin,[4,6] ampule, per 100,000 unit.		.38	- —
Pennyroyal leaves, bls.	lb.	.24	- .25
Pentachlorophenol, dms., works,	lb.	.20	- .26
Pentaerythritol, CP, bbls. dlvd.	lb.	.75	- —
smaller containers	lb.	1.00	- —
tech., bbls., c.l.	lb.	.27	- —
l.c.l.	lb.	.31	- —
Pentane, 28°-38° C., industrial grade, dms., c.l., Group 3,	gal.	.11	- —
l.c.l., dms., Group 3.	gal.	.19	- —
tanks, Group 3.	gal.	.07½	- .07¾
Pentane, 28°-38° C, laboratory grade, 10-gal. cns., dlvd. E.	gal.	.55	- —
dms., c.l., Group 3.	gal.	.16	- —
l.c.l., Group 3.	gal.	.29	- —
Pepper, black,[7] bgs.	lb.	.80	Nom.
futures, bgs., nearby	lb.	.66	- .67
November	lb.	.53	- .54
Red, capsicum, Carolina longs, new crop, bgs., ship't point	lb.	.60	Nom.
sports, old crop, bgs.	lb.	No stocks	
Pepper, capsicum, Louisiana, longs, new crop, bgs., shipment point	lb.	No stocks	
sports, bgs.	lb.	No stocks	
Niger, bgs.	lb.	.47	- .48
Chillies, Haitian, bgs.	lb.	.56	- .57
Mexican, long	lb.	.50	- .51
White,[7] bgs.	lb.	.70	- .72
Peppermint, dom., USP, bls.	lb.	1.20	- 1.25
imported, USP, bls.	lb.	1.25	- 1.30
Perchloroethylene, dms. c.l., Zone 1, works, frt. alld.	lb.	.0772	- .0800
Zone 2, same basis	lb.	.0832	- .0850
Zone 3, same basis.	lb.	.0882	- .0900
Zone 4, same basis	lb.	.0876	- .0900
l.c.l., Zone 1, same basis	lb.	.0862	- .0850
Zone 2, same basis	lb.	.0882	- .0900
Zone 3, same basis	lb.	.0932	- .0950
Zone 4, same basis	lb.	.0926	- .0950
Perchloroethylene zones are:—(1) Conn., Del., Ill. Ind., Ia., Ky., Me. Md. Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va. Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La. Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (2) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah Wash.			
Peru balsam, dms.	lb.	1.25	- 1.30
Petrolatum, tech., dark, bbls., c.l., Group 3.	lb.	.021	- —
golden topaz, bbls., c.l.	lb.	.032	- —
l.c.l.	lb.	.036	- —
red, veterinarian, bbls., c.l.	lb.	.024	- —
l.c.l.	lb.	.028	- —
USP, amber, non-ret. dms., c.l.	lb.	.04¼	- —
l.c.l.	lb.	.05¼	- —
extra amber, dms., c.l.	lb.	.04¼	- —
l.c.l.	lb.	.05¼	- —
cream, c.l., dms.	lb.	.05¾	- —
l.c.l.	lb.	.07¾	- —
white, lily, dms., c.l.	lb.	.06¼	- —
l.c.l.	lb.	.06¼	- —

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Producing Plant:
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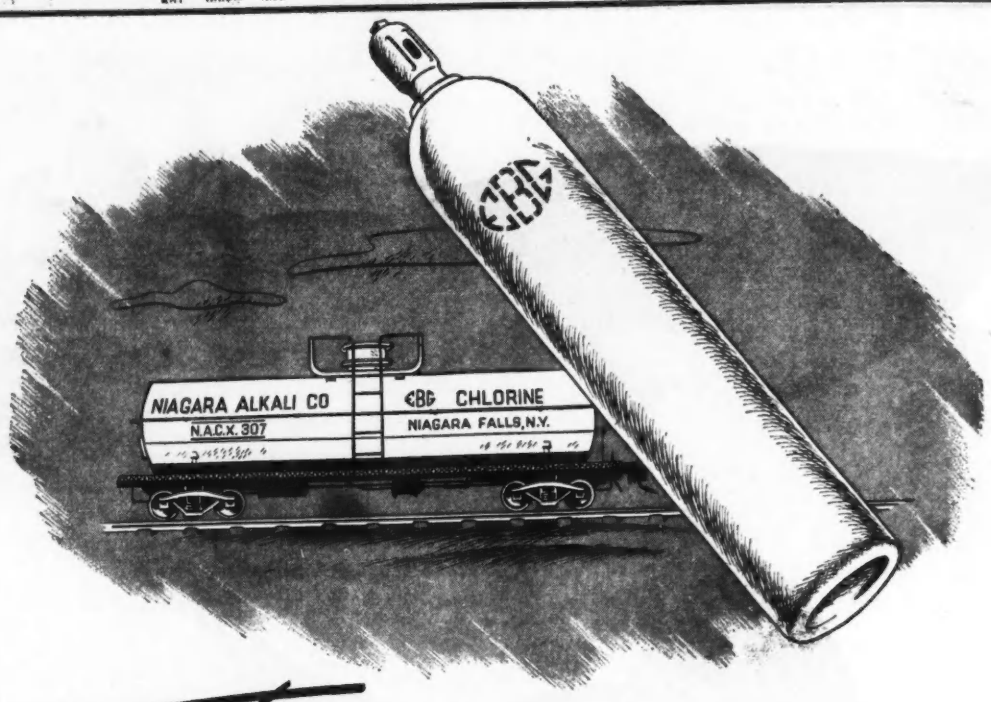
Petrolatum, USP, white, snow, dms., c.l..lb. .06⅝- —
l.c.l. ....lb. .09 -
soft, dms. c.l.....lb. .06⅜- —
l.c.l. .....lb. .07⅜- —
yellow, soft dms., c.l....lb. .03⅜- —
l.c.l. .....lb. .05⅜- —
Petroleum, crude, bulk, at wells, California, heavy grades, bbl. 1.28 - 1.98
Illinois .....bbl. 1.67 - —
Kentucky, Union County, bbl. 1.62 - 1.67
Louisiana-Arkansas ...bbl. 1.16 - 1.50
Montana .....bbl. 1.20 - 1.60
Oklahoma-Kansas ...bbl. 1.15 - 1.55
Pennsylvania, lower field, bbl. 3.23 - 3.25
Upper field..... ... bbl. 1.66 - 3.00
Texas East.....bbl. 1.60 - —
Gulf coast.....bbl. 1.40 - 1.83
North, North-Central.bbl. 1.36 - 1.60
Panhandle .....bbl. 1.08 - 1.50
West .....bbl. 1.00 - 1.40
Wyoming .....bbl. 1.15 - 1.55
Ether, laboratory grade, 30°-60° C, 10-gal. cns., dlvd. E.., gal. .55 - —
dms., c.l., Group 3....gal. .16 - —
l.c.l., same basis....gal. .29 - —
35°-60° C, 10-gal. cns., dlvd. E..gal. .55 - —
dms., c.l., Group 3....gal. .16 - —
l.c.l., same basis...gal. .29 - —
40°-75° C., 10-gal. cns., dlvd. E..gal. .55 - —
dms., c.l., Group 3....gal. .16 - —
l.c.l., same basis...gal. .29 - —
Fuel oil, furnace, tanks, at refinery, Arkansas, No. 2, gal. .04½- —
No. 6.....gal. .04¼- —
Bayonne, No. 2, tanks..gal .0630- .0640

Petroleum, fuel oil, furnace, tanks, at ref'y., California, heavy..bbl. 1.25 - 1.30
light .....bbl. 1.35 - 1.40
diesel .....gal. .04¾- .05⅛
Group 3, No. 1.....gal. .04⅝- .04⅞
No. 2, straw.....gal. .04⅛- .04⅜
No. 3.....gal. .04 - .04¼
Oklahoma, No. 1, p.w.gal. .04⅜- .05⅛
No. 1, straw.....gal. .04⅜- —
No. 2, straw.....gal. .04⅛- .04⅜
No. 3.....gal. .04 - .04¼
No. 6.....bbl. 1.15 - 1.35
range .....gal. .04½- —
Pennsylvania, No. 1..gal. .06⅝- .07
No. 2.....gal. .06¼- .06⅝
No. 3.....gal. .06⅛- .06⅝
36-40 gravity .....gal. .06¼- —
Bunker C (No. 6), tanks, Albany, N. Y..bbl. 1.92 - —
Baltimore, Md.....bbl. 1.72 - —
Boston, Mass.....bbl. 1.90½- —
Charleston, S. C.....bbl. 1.83 - —
Jacksonville, Fla.....bbl. 1.63 - 1.83
New York, N. Y.....bbl. 1.92 - 2.02
Norfolk, Va.....bbl. 1.88 - 1.93
Philadelphia, Pa.....bbl. 1.92 - 2.02
Portland, Me.....bbl. 2.01 - 2.06
Providence, R. I.....bbl. 1.98 - 2.04
Savannah, Ga.....bbl. 1.88 - —
Lacquer diluent, California, 100 l.b.n., 200 e.p., tanks, dlvd. Los Angeles..gal. .12 - —
Fort Wells, Wash. ....gal. .13 - —
East Coast, N. J.. N. Y., tanks, refinery..gal. .12 - —
Group 3, benzol type tanks, gal. .08¾- .09⅝
toluol type, tanks.....gal. .08¾- .09⅛
San Francisco.....gal. .11⅛- —
Willbridge, Ore.....gal. .12 - —
Mineral spirits, California, San Francisco, 168-252 b.r., tanks..gal. .10¾- —
198-290 b.r., tanks...gal. .11⅛- —
246-397 b.r., tanks...gal. .11⅛- —

Petroleum, mineral spirits, Calif., San Francisco, 312-408 b.r., tanks..gal. .10 - —
362-458 b.r., tanks...gal. .10 - —
East Coast, N. J., N. Y., tanks, refinery..gal. .10½- —
Group 3, tanks, refinery.gal. .07⅛- —
Gulf coast, tanks.....gal. .07⅜- —
tankwagon, Baltimore....gal. .15½- —
Boston .....gal. .12½- —
Buffalo .....gal. .11 - —
Camden, N. J.....gal. .11 - —
Chicago .....gal. .1460- —
Detroit .....gal. .1710- —
Kansas City, Mo.....gal. .1280- —
Lancaster, Pa.....gal. .12½- —
Newark .....gal. .11½- —
New York.....gal. .11½- —
Philadelphia .....gal. .11½- —
Pittsburgh .....gal. .13 - —
Providence .....gal. .13½- —
Rochester .....gal. .12 - —
St. Louis.....gal. .1370- —
Syracuse .....gal. .1270- —
Washington, D. C.....gal. .15¼- —
Wilmington, Del.....gal. .11½- —
Naphtha, cleaners, California, tanks, San Francisco.gal. .13 - —
East coast, N. J., N. Y., tanks, refinery..gal. .11½- —
Group 3, tanks, refinery, gal. .08¾- —
tankwagon, Newark....gal. .12½- —
Chicago .....gal. .14¼- —
Detroit .....gal. .15½- —
New York.....gal. .12 - —
Philadelphia .....gal. .125 - —
St. Louis.....gal. .1470- —
High-solvency, No. 8, tanks, Paulsboro, N. J..gal. .16 - .22½
No. 30, tanks, same basis, gal. .17 - .22

Petroleum, naphtha, high-solvency, No. 40, tanks, same basis..gal. .17¾- .22
No A-80, tanks, Carteret, N. J..gal. .21½- —
Chicago, Cincinnati, Detroit..gal. .24 Nom.
No. B-90, tanks, all shipping points..gal. .24½- —
No. F-80, tanks, Carteret, N. J..gal. .23 - —
V.M.&P., at refinery, California, 46.5, 254 l.b.p., 380 e.p., tanks, El Segundo..gal. .12 - —
Richmond .....gal. .12½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .13 - —
64-77, 190 l.b.p., 310 e.p., Los Angeles.....gal. .11 - —
San Francisco....gal. .11½- —
Portland, Seattle.gal. .12 - —
Group 3, tanks.....gal. .08¼- —
Gulf Coast (dlvd. New Orleans), tanks..gal. .08¾- —
tankwagon, Boston.....gal. .13½- —
Chicago .....gal. .1460- —
Detroit .....gal. .1710- —
Milwaukee .....gal. .15½- —
Minneapolis .....gal. .1540- —
Newark .....gal. .13 - —
New York.....gal. .12½- —
Philadelphia.....gal. .13 - —
Pittsburgh .....gal. .14 - —
St. Louis.....gal. .1470- —
Solvent, rubber, at refinery, California, San Francisco gal. .26½- —
East Coast, N. J., N. Y., tanks..gal. .11½- —
Group 3, tanks.....gal. .08½- —
Stoddard (CS 8-33), at refinery:—
California (San Francisco), tanks..gal. .12 - —
East Coast, N. J., N. Y., Group 3, tanks.....gal. .07⅛- —
Pennsylvania, western, tanks..gal. .07¾- .08
tankwagon, Baltimore...gal. .14 - —
Boston .....gal. .12½- —
Chicago .....gal. .14¼- —
Detroit .....gal. .16½- —
Milwaukee .....gal. .15½- —
Minneapolis .....gal. .1540- —
Newark .....gal. .12 - —
New York.....gal. .11½- —
Philadelphia .....gal. .12 - —
Pittsburgh .....gal. .13 - —
St. Louis.....gal. .14¼- —
Syracuse .....gal. .1270- —
Sulphonates, 63% sulphonic content, ret. dms., c.l., works..lb. .09¾- —
l.c.l., works.....lb. .09⅞- .10⅜
tanks, works.....lb. .09¼- —
50% sulphonic content, ret. dms., c.l., works..lb. .09⅝- —
l.c.l., works.....lb. .09⅞- .10⅜
tanks, works.....lb. .09⅛- —
Phenobarbital, cns. .....lb. 3.60 - 3.70
dms., 100 lbs.....lb. 3.50 - —
Phenol, 90-92% (cresol, 8-10%), dms., c.l., works, frt. equald. lb. .10⅜- .11
l.c.l., same basis.....lb. .11½- .11⅝
tanks, same basis.....lb. .09¾- .10½
82-84% (cresol, 16-18%), dms. c.l., same basis..lb. .10⅜- .11¼
l.c.l., same basis.....lb. .11½- .12
tanks, same basis.....lb. .09¾- .10¼
USP, dms., c.l., same basis..lb. .10¼- .12½
l.c.l., same basis.....lb. .11¼- .13¼
tanks, same basis.....lb. .09½- .11½
Phenolphthalein, USP, bbls., dms., 2,000 lbs..lb. .85 - —
smaller lots.....lb. .87 - .92
Yellow, fib. dms., 2,000 lbs..lb. .80 - —
smaller lots.....lb. .82 - .87
Phenothiazin, NF, fib. dms., ton lots or more, works..lb. .49 - —
smaller lots, works.....lb. .54 - —
Phenylacetaldehyde, solution, 50%, bots..lb. 2.35 - 2.50
pure, bots. .....lb. 4.00 - 5.00
Phenylethyl acetate, dms.....lb. 1.65 - 3.00
Phenylethylphenyl, acetate, bots. lb. 5.25 - 7.50
Phenylhydrazin, base, CP, bots.lb. 4.55 - —
Hydrochloride, CP, bots., works. lb. 7.10 - —
commercial, kgs., works...lb. 1.75 - —
Phloroglucinol CP, fib. dms...lb.13.75 -14.75
tech., fib. dms.....lb.12.00 -12.55
Phosgene, ton lots, works.....lb. .19 - —
Phosphate, defluorinated (see under D).
Phosphate rock,[1] Fla., land pebble unground, run-of-mine, washed, dried, 68%-66% b.p.l., bulk, car at mine, c.l..... long ton. 2.60 - —
70%-68%, same basis.. long ton. 3.00 - —
72%-70%, b.p.l., same basis..long ton. 3.60 - —
75%-74%, b.p.l., same basis..long ton. 4.60 - —
77%-76%, b.p.l., same basis..long ton. 5.60 - —
entirely pebble 50c. per ton higher than above prices.
finely ground, 65.5% b.p.l., 30% P_2O_5 minimum.. short ton. 3.15 - —
68%, b.p.l., basis 31% P_2O_5 minimum..short ton. 3.35 - —
70%, b.p.l., basis 32% P_2O_5 minimum..short ton. 3.70 - —
Tennessee, brown, unground, run-of-mine, 70-68% b.p.l., 5½% i. & a., same basis.. long ton. 5.50 - —
72%-70%, b.p.l., 5½% i. & a., same basis..long ton. 6.00 - —
refinery ground, 29% P_2O_5, same basis..long ton. 5.15 - —
30% P_2O_5, same basis.... long ton. 5.25 - —
31% P_2O_5, same basis..... short ton. 5.45 - —
32% P_2O_5, same basis.... short ton. 5.70 - —
33% P_2O_5, same basis.... short ton. 6.20 - —
Phosphorus, red amorphous, cs. lb. .40 - .44
tins, export.....lb. .35 - —
yellow, cns.....lb. .23 - .25
dms., c.l.....lb. .14½- —
Oxychloride, dms., c.l.....lb. .10½- —
l.c.l., dms.....lb. .12½- .15
Pentoxide, dms., c.l., works.. lb. .11 - .12
l.c.l., works .....lb. .13 - .14
Sesquisulphide, cs. .....lb. .38 - .42
Trichloride, dms., c.l.....lb. .10½- —
l.c.l. .....lb. .12½- .15
Phthalamide, bbls., works....lb. .35 - .40
kgs., works.....lb. .45 - .50
Phthalic anhydride, bgs., bbls., c.l., works, frt. alld. E. of Denver..lb. .13 - .14½
l.c.l., same basis.....lb. .14 - .15½
Picht leaves, bgs.....lb. .07 - .08
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, bots .....oz. 8.00 - —



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THESE BASIC electro-chemical products grow in importance as the intensified need for them increases in a wide range of industries. As the first company in America to produce Caustic Potash, Carbonate of Potash and Liquid Chlorine, and one of the first to produce Caustic Soda, Niagara has spent many years of painstaking research in improving their quality and adapting them to specialized needs. Niagara products maintain the highest standards of purity and uniformity, and Niagara's service in these products is unexcelled in thoroughness and efficiency to the full limit that the present production situation permits. For pioneering leadership in the electro-chemical field, look with confidence to Niagara. . . . Niagara Alkali Company, 60 E. 42nd Street, New York 17, N. Y.

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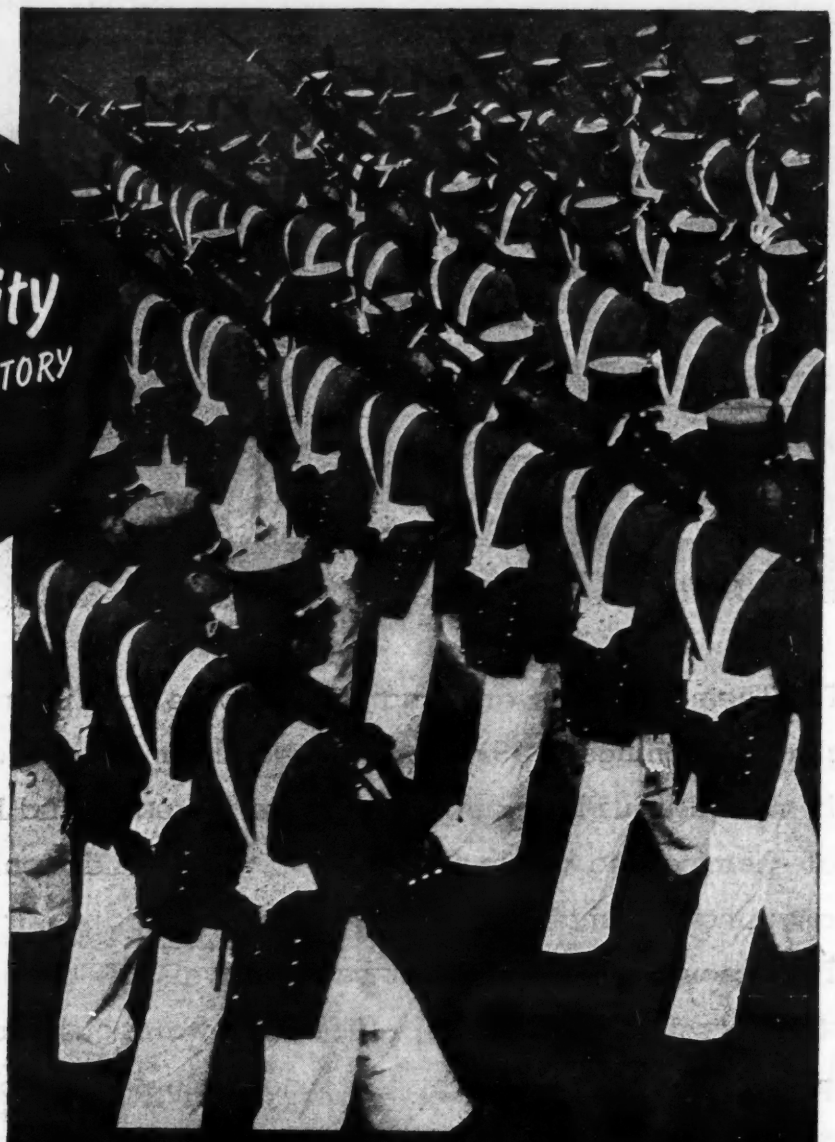
	St. Louis	Memphis	Tulsa

Pilocarpine hydrochloride, USP, bots., vls. oz. 5.25 - 6.50
Nitrate, bots., vls. oz. 5.15 - 6.25
Pimento, Jamaica, bgs. lb. .24 - .24½
Pinetar, retort, dms., incl., c.l., works, dlvd. E. gal. .31 - .37½
l.c.l., works, dms. incl. gal. .32 - —
tanks, dlvd. E. gal. .27 - .29
Pinkroot, bls. lb. 1.00 - 1.05
Piperazine hexahydrate, bots. lb. 16.00 - 17.00
Pitch, burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works. ton. 19.00 - —
l.c.l., works. ton. 22.00 - —
Cottonseed, dms., works. lb. .04 - .06
Hardwood, paper bgs., works. lb. .03½- —
Linseed, dms. lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms. 100 lbs. 6.50 - —
stands, 200 lbs. stand. 6.00 - —
Soybean, dms., works. lb. .04 - .06
Plaster of paris (see Gypsum).
Podophyllin, dms. lb. 12.25 - 12.50
Pokeroot, bls. lb. .16 - .17
Polystyrene, plain colors, dms., 30,000 lbs., works, frt. alld. lb. .32 - —
20,000 lbs., frt. alld. lb. .33 - —
smaller lots, frt. alld. lb. .34 - .36
Water-clear, polystyrene, 7c. per lb. less than plain colors.
Pomegranate, root bark, bgs. lb. .75 - .78
Poppy flowers, bls. lb. .60 - .70
Seed, Argentine, bgs, futures. lb. .20½- .21
Danish, bgs. lb. .26 - .26½
Dutch lb. .25½- .26
Indian, white, bgs. lb. No stocks
Swedish, bgs. lb. .21½- .22
Turkish, bgs. lb. .22 - .22½
Potash abietate lb. .28 - —
Acetate, USP, dms. lb. .28 - .33
Arsenite, USP, solut., cbys., djns. lb. .13 - .15
Bicarbonate, USP, cryst., gran., bbls., dms. lb. .10 - .21
Bichromate,[1] bgs., c.l., works. lb. .10 - —
l.c.l., works. lb. .10½- .10¾
Potash bichromate in bbls. ½c. higher.
Borate, gran., bbls., N. Y. or Chi. lb. .1015- —
Bromide, USP, cryst., gran., 500-lb. bbls., dms. lb. .25 - .29
Carbonate, calcined, bbls., c.l., works. lb. .06½- —
l.c.l., same basis lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works. lb. .05½- —
dms., l.c.l., same basis lb. .05¾- —
USP, gran., bbls., dms. lb. .14 - .20
powd. bbls., dms. lb. .19 - .21
Caustic, low-chloride, 90% basis, flake, dms., c.l., works. 100 lbs. 9.31 - —
l.c.l., works. 100 lbs. 9.66½- —
liquid, dms., c.l., works. 100 lbs. 8.56 - —
l.c.l., works. 100 lbs. 8.63½- —
tanks, works. 100 lbs. 8.06 - —
solid 100 lbs. 8.56 - —
l.c.l., works. 100 lbs. 8.93½- —
regular, flake, 88-92%, dms., c.l., works. lb. .07 - —
l.c.l., works. lb. 07¼- 07½
liquid, 45% basis, dms., c.l., works, frt. alld. lb. .03¼- —
l.c.l., same basis lb. .03½- .03¾
tanks, same basis lb. .02⅞- —
solid, 88-92%, dms., c.l., works. lb. 06¼- —
l.c.l. lb. 06½- 06¾
Chromate, bgs. lb. 24 - 28
Potash chlorate,[1] cryst., bgs., c.l., works. lb. .11 - .11¾
l.c.l., works. lb. .119 - .130
powd., dms., kgs., c.l., works. lb. .09¾- —
l.c.l., works. lb. .119 - .130
export, 1 to 10 tons, kgs., ex whse. lb. .16 - .18
Chloride, tech., cryst., 98% bgs., kgs. lb. .06 Nom.
Citrate, USP, gran., bbls., dms. lb. .33½- .33½
powd. 3c. per lb. higher.
Cyanide, dms., works. lb. .55 - —
Fluoride, bbls. lb. .34 - .40
Glycerophosphate, 75% solution, cns. cbys. lb. 1.65 - 1.67
dms., 1,000-lb. lots. lb. 1.50 - —
100-lb. lots. lb. 1.60 - —
Guaiacosulphonate, NF, dms. lb. 1.65 - 1.75
Hydroxide, USP, sticks, dms. lb. .34 - .36
Hypophosphite, cns. lb. .72 - .75
Iodate, bots., 5 lbs. lb. 3.40 - —
cns., 25 lbs. lb. 3.35 - —
Iodide, bots., cns. lb. 1.44 - 1.48
cans. lb. 1.35 - 1.38
Manure salt, 22% K_2O Carlsbad, N. M. unit-ton. .20 - —
25% K_2O same basis unit-ton. .21 - —
Metabisulphite, gran. bbls. lb. .19 - .21
powd. bbls. lb. .25 - —
Muriate,[4] dom., 60-62-63% K_2O, bulk, ex vessel ports unit-ton. .53½- —
granular, 50-52% K_2O, ex vessel U. S. ports. unit-ton. .53½- —
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M are 11.2c. per unit of K_2O less than ex vessel price, basis Trona, Cal.; 8c. per unit of K_2O less than ex vessel price at Pacific coast ports.
Nitrate (see Saltpeter).
Potash oxalate, neutral, pure, gran., bbls., dms. lb. .37 - .50
tech. fine gran., bbls., dms. lb. .28 - .31
Perchlorate, kgs., works. lb. .09¾- .11
Permanganate, tech. dms., works. lb. .19¾- .20¼
USP, dms., works. lb. .20¼- .21
Persulphate, dms., c.l. works. lb. .16 - —
l.c.l., same basis lb. .20 - —
Prussiate, red, kgs. lb. .50 - .58
Yellow, bbls. lb. .16 - .17
Ricinoleate, tech., bbls. lb. .18 - —
Silicate, glass, bgs., c.l. works. ton. 200.00 - —
l.c.l. 100 lbs. 15.25 - —
solution, 29° Be, ret dms., c.l., works. 100 lbs. 4.25 - —
l.c.l., 5 or more, works. 100 lbs. 5.00 - —
1-4, works. 100 lbs. 5.50 - —
32° Be, ret. dms., c.l., works. 100 lbs. 4.75 - —
l.c.l., 5 or more, works. 100 lbs. 5.50 - —
1-4, works. 100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works. 100 lbs. 5.75 - —
l.c.l., 5 or more, works. 100 lbs. 6.50 - —
1-4, works. 100 lbs. 7.00 - —
Sulphate,[6] NF, gran. lb. .14 - .20
powd., bbls lb. .15 - .21
tech., dom., bulk,[6] basis 90-95% K_2O_4, min. 90%, ex vessel Atlantic or Gulf ports. ton. 36.25 - —
West coast potash ports, same basis. ton. 39.25 - —
Sulphocyanide, cryst., N.F., dms. lb. .62 - .70
Triocyanate (see Potash sulphocyanide)
Xanthate, dms., c.l. lb. .12 - —
Potash-gold cyanide, 41% gold, bots., works. oz. 14.20 - 14.95
Potash-magnesia sulphate,[6] bulk, min., 40% K_2SO_4, 18.50% MgO, ex vessel, ports. ton. 26.00 - —
Potash-soda ferricyanide, kgs., works. lb. .40 - .43
Potash-titanium oxalate, bbls., dms. lb. .45 - .50
Prickly ash bark, bls. lb. .40 - .45
Berries, bgs. lb. .20 - .21
Prince's pine herb, bls. lb. .50 - .65
Procaine hydrochloride, cns., 100-lb. lots. lb. 3.75 - —
smaller lots lb. 4.00 - —
Propane,[1] industrial grade, tanks, Group 3. gal. .03¾- —
Propyleneglycol, dms., c.l., frt. alld. in E. lb. .15½- —
l.c.l., same basis lb. .16½- —
tanks, same basis lb. .14½- —
Psyllium seed (see Fleaseed).
Pulsatilla, bls. lb. .60 - .65
Pumice, grd., fine, bgs., ton lots. lb. .03¾- —
smaller lots lb. .03¾- .04
coarse, 0, 1, 1½, 2, 3, bgs., ton lots. lb. .03¾- —
smaller lots lb. .03½- .04½
Chi., ton lots lb. .04½- —
Pumice in bbls. is ½c. per lb. higher.
Pumpkin seed, bgs. lb. .27 - .28
Purple lake (see Red).
Putty, com'l dms. 100 lbs. 3.15 - —
linseed oil, raw, dms. 100 lbs. 5.00 - —
refined, dms. 100 lbs. 5.50 - —
standard, dms. 100 lbs. 4.20 - —
Pyrethrum,[1] concentrate, dewaxed, 20% for aerosol bombs, dms., works. lb. 9.25 - 9.30
liquid (20 to 1), basis 2 grams pyrethrins for 100 cc dms., regular base, works. gal. 6.65 - —
odorless base, dms., works. gal. 6.75 - —
(20 to 1), base 3 grams pyrethrins, per 100 cc., bbls., works. gal. 10.00 - —
Pyrethrum, flowers, fine-grd., 0.9% pyrethrins, bbls., works. lb. .33¾- —
powder, 0.5% pyrethrins, bbls., works. lb. .23 - —
Pyridin, denaturing, ret. dms., works, frt. equald. gal. 1.55 - 1.60
refd., 2°, ret. dms., same basis. lb. .45 - .45½
Pyrites, Spanish, c.i.f. Atl. ports. long ton. 8.00 - 10.00
Pyrocatechin (see Catechol).
Pyrophyllite, standard, 200 mesh, c.l., bulk, mines. ton. 10.00 - 11.50
325 mesh, same basis. ton. 13.00 - 13.90
No. 3, 200 mesh, c.l., mines. ton. 9.50 - —
325 mesh, same basis. ton. 11.50 - —
Pyrophylite in paper bgs., $1.50 per ton extra.
Pyroxylin, scrap, opaque, amber, cs., works. lb. .17 - —
black, cs., works. lb. .17 - —
gray, cs., works. lb. .17 - —
mixed mottled, cs., wks. lb. .14 - —
white, China, ivory, cs., wks. lb. .17 - —
dense, cs., works. lb. .17 - —
translucent, pastels, cs., works. lb. .17 - —
transparent, cs., works. lb. .19 - —
colors, cs., works. lb. .17 - —
shavings, amber, cs., works. lb. .17 - —
mixed colors, cs., works. lb. .14 - —
white, cs., works. lb. .17 - —

Q

Quassia chips, bls. lb. .08 - .09
Quebracho extract[1], solid, 65% tannin, bgs., c.l., ex dock, in bond. lb. .063125- .0652
clarified, 64% tannin, bgs., c.l., same basis. lb. .068125- .0702
dissolved, 35% tannin, bbls., works. lb. .04375- .0500
tanks, works. lb. .04075- —
ground, 70% tannin, bgs., c.l. lb. .089 - —
l.c.l. lb. .0915- —
Quebracho extract prices based on $1 freight and $1 insurance per long ton.
Queen of the meadow root, bgs. lb. .12 - .15
Quercitron crystals, bbls. lb. .32 - —
Extract, No. 1, bbls. lb. .13 - —
solid, bxs. lb. .23 - —
Quicksilver, flasks (76 lbs. net) flask. 95.00 - 96.00
Quince seed, bgs. lb. 1.30 - 1.75
Quinidine,[6] NF V, cryst., cns. oz. No stocks
powd., precip., cns. oz. No stocks
Sulphate, USP, cns. oz. No stocks
Quinine,[6] NF, cns., 100 ozs. oz. No stocks
Acetate, cns., 100 ozs. oz. No stocks
Arsenate, cns., 100 ozs. oz. No stocks
Arsenite, cns., 100 ozs. oz. No stocks



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Quinine bisulphate, USP, cns., 100 ozs..oz. No stocks
Dihydrobromide, bots., 50 ozs.. oz. No stocks
Citrate, cns., 100 ozs.....oz. No stocks
Ethylcarbonate, USP, cns., 100 ozs..oz. No stocks
Ferrocyanide, cns., 100 ozs.oz. No stocks
Formate, cns., 100 ozs.....oz. No stocks
Glycerophosphate, cns., 100 ozs. oz. No stocks
Hydrochloride, USP, cns., 100 ozs..oz. .80½- —
Hydrochlorosulphate, cns., 100 ozs..oz. No stocks
Hydriodide, cns., 100 ozs..oz. No stocks
Hypophosphite, cns., 100 ozs.oz. No stocks
Phosphate, NF, cns., 100 ozs.oz. No stocks
Salicylate, NF, cns., 100 ozs. oz. No stocks
Sulphate, USP, cns., 100 ozs.oz. .80½- —
Sulphocarbolate, cns., 100 ozs. oz. No stocks
Tannate, USP X, cns., 100 ozs. oz. No stocks
Tartrate, cns., 100 ozs.....oz. No stocks
Valerate, NF IV, 100 ozs..oz. No stocks
Quinine-urea hydrochloride,[6] USP, cns..oz. No stocks
Quinoline, dms., c.l., works...lb. .24½- .50

R

R salt, dry, bbls.....lb. .65 - —
paste, dms. .....lb. .52 - —
Raspberries, dried, bls.....lb. 2.20 - 2.25
Red, alizarin lake, bbls., divd. N. of Tenn. and N. C. E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis...lb. 1.10 - 1.90
Prices ½c. per lb. higher divd. Ala., Fla., Ga., La. (Shreveport, 1½c.); Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.) (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. per lb. higher divd. Pacific Coast prices equaled with Chicago divd. Denver, Pueblo, Salt Lake City, Wichita.
Cadmium lithopone, deep shade, bbls., frt. alld. E. of Rockies..lb. 1.05 - 1.30
light shade, bbls., same basis..lb. .90 - 1.15
maroon, bbls., same basis.. lb. 1.15 - 1.25
medium shade, bbls., same basis..lb. 1.00 - 1.10
medium-light shade, bbls., same basis..lb. .95 - 1.05
Orange-red, bbls., same basis..lb. .95 - 1.00
Red cadmium lithopone, all shades, in smaller pkgs. 5c. per lb higher; all prices are 1c. per lb. higher ex whse., Los Angeles and San Francisco.
Carmine, No. 40, dms., bulk, works..lb. 5.50 - —
smaller lots, same basis..lb. 6.10 - —
Crocus Martis (see Red, purple oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works....lb. 1.35 - —
Firetoner, dom., bbls., works.lb. .85 - .92
Indian, dom., pure, bls., Bethlehem, Easton, E. St. Louis, N. Y..lb. .09½- —
80-85%, bbls., same basis.lb. .09¾- —
imp., English, all shades..lb. .12 - —
Iron oxide, pure, bbls.....lb. .09 - .09¾
reduced, 85% copperas oxide, bbls., l.c.l., Bethlehem, Pa.; Copley, O.; Easton, Pa.; and E. St. Louis..lb. .06¾- —
80% copperas oxide, bbls., same basis..lb. .085 - .094
Lacquer, maroon, bbls., works. lb. 1.25 - —
Lake C toner, alizarin, bbls., works..lb. .90 - .97
Lithol toner, alizarin, lake, bbls., works..lb. .65 - —
Pink, bbls., works.....lb. .20 - .25
Rose lake, bbls., works....lb. .23 - .28
Lithol-rubin toner, alizarin lake, bbls., works..lb. 1.18 - —
Maroon, alizarin lake 25% kgs., works..lb. .40 - —
Cadmium, bbls., works.....lb. 1.10 - —
deep, bbls., same basis..lb. 1.20 - —
Maroon, in smaller pkgs., 5c. per lb higher.
Mercury oxide, tech., bbls., 10,000 lbs., works..lb. 2.60 - —
smaller lots, works...lb. 2.62 - —
Metallic, bbls., works.....lb. .02 - —
Oxide (see Red, iron oxide).
Para toner, chlorinated, kgs.lb. .92 - —
concent., alizarin lake, kgs., works..lb. .70 - .75
Persian (see Orange).
Phloxin toner (see Red, eosin toner).
Phosphotungstic, rhodamine, Y, kgs., works..lb. 4.15 - —
Purple lake, kgs.....lb. 1.00 - —
Scarlet ink toner, kgs., works. lb. .55 Nom.
Spanish oxide, grade 1, c.l., bbls..lb. .04¾- .07¾
Toluidin toner, alizarin lake, kgs., works..lb. 1.05 - 1.13
MNPT maroon toner, kgs., works..lb. 3.25 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., E. St. L.....lb. .11 - —
Venetian, 5%, bbls., wks.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .0275- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .0325- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls.....lb. .25 - .40
Quicksilver, bbls.....lb. 2.50 - 2.65
Red precipitate, NF, powd., fib. dms..lb. 2.77 - 2.79
Red saunders wood grd., bbls.lb. .35 - —
Resorcinol, tech., dms., works.lb. .64 - .74
USP cryst., dms., frt. alld..lb. 1.00 - —
Rhatany root, bgs.....lb. .14 - .16
Rhubarb, whole, cs.....lb. 1.45 - 1.50
powd., bbls.....lb. 1.55 - 1.60
Riboflavin, bots. .....kilo.200.00 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif., seller's option. lb. .79 - —
Rochelle salt, gran., powd., bbls., 5,000 lbs., 1 ship't..lb. .34½- —
smaller lots.....lb. .35 - —
Rose flowers, pale, bls.....lb. .33 - .34
Rosemary flowers, bls.....lb. 1.55 - 1.65
Leaves, French, bls.....lb. .13 - .14
Portuguese, bls.....lb. .08½- .09
Spanish, bls. .....lb. .12½- .19
Rosin, gum—
B, dms., c.l.....100 lbs. 7.75 - —
D, dms., c.l.....100 lbs. 7.95 - —
E, dms., c.l.....100 lbs. 8.28 - —
F, dms., c.l.....100 lbs. 8.77 - —
G, dms., c.l.....100 lbs. 8.77 - —
H, dms., c.l.....100 lbs. 8.86 - —
I, dms., c.l.....100 lbs. 8.86 - —
K, dms., c.l.....100 lbs. 8.86 - —
M, dms., c.l.....100 lbs. 8.86 - —
N, dms., c.l.....100 lbs. 8.86 - —
WG, dms., c.l.....100 lbs. 8.86 - —
WW, dms., c.l.....100 lbs. 8.90 - —
X, dms., c.l.....100 lbs. No prices
Rosin, wood, B (resin), dms., c.l., works..100 lbs. 4.60 - —
FF, dms., c.l., works.100 lbs. 5.50 - —
G, H, I, dms., c.l., works. 100 lbs. 5.95 - —
K, dms., c.l., works..100 lbs. 6.00 - —
M, dms., c.l., works..100 lbs. 6.05 - —
N, dms., c.l., works..100 lbs. 6.15 - —
WG, dms., c.l., works.100 lbs. 6.25 - —
WW, X, dms., c.l., works... 100 dms. 6.40 - —
Rotenone,[1] bbls., works.....lb.12.05 - 14.50
extract, liq., dms., works..... per unit. 1.15 - —
powder (see Cube root).
Rottenstone,[1] bgs., c.l., mines.. ton.25.50 - —
c.l., mines.....ton.37.50 - —
Rue, bls. .....lb. .45 - .46

S

Sabadilla seed, powd., bbls....lb. .55 - .70
activated, ground with lime, bbls..lb. .35 - .50
Saccharin,[1] soluble and insoluble, 1,000 lbs. and up..lb. 1.30 - 1.35
smaller lots .....lb. 1.40 - 1.60
Saffron, Mexican, bls.....lb. 1.60 - 1.65
Spanish, USP, tins.....lb.38.00 -39.00
Safrol, cns. .....lb. 1.10 - 1.15
Sage, leucophylla, bgs., Pacific coast..lb. .32 - .33
Cyprus, good, bls.....lb. .18½- .19
futures .....lb. .17 - .17½
Dalmatian, bls., futures.....lb. .31 Nom.
Greek, bls. .....lb. .29 - .29½
Palestine, bls. .....lb. .16 - .16½
Spanish, bls. .....lb. .13 - .13½
Sage, Washington, Dalmatian-type, bls..lb. .40 - .41
Sago flour, bgs.....lb. .10 - .12
Salicin, bots., 5 lbs.....lb. No stocks
cns., 25 lbs.....lb. No stocks
Saligenin, dms., works.....lb.15.00 -20.00
Salol, gran., bbls., kgs.....lb. .90 - —
fib. dms. .....lb. .92 - .93
Powdered salol, 10c. higher.
Salt, rock, bgs., c.l.....ton.15.80 - —
l.c.l., bgs.....ton.20.60 - —
vacuum, common, fine, bgs., c.l..ton.16.90 - —
l.c.l. .....ton.23.40 - —
Saltcake, dom., bulk, works..ton.15.00 - —
Chrome (see Chrome cake).
Saltpeter, dbl. ref., gran., bbls., 10 ton lots..100 lbs. 8.20 - —
smaller lots.....100 lbs. 8.35 - 9.00
powd., bbls. 10-20 ton lots.. 100 lbs. 9.20 - —
smaller lots.....100 lbs. 9.35 - 9.60
Sanguinarine nitrate, bots....oz. 3.75 - —
Santonin, cryst., powd., cns.kilo.170.00 -185.00
Saponin, No. 1, cns.....lb. 1.75 - 1.90
No. 2, cns.....lb. 1.40 - —
Sarsaparilla root, dom., bls..lb. .45 - .50
Honduras, bls. .....lb. .45 - .47
Mexican, bls. .....lb. .45 - .47
Sassafras bark, ord., bls.....lb. .45 - .50
select, bls. .....lb. .69 - .75
Savory, Calif., bls.....lb. .75 - .76
Spanish, bls. .....lb. .22 - .22½
Saw palmetto berries, bgs.....lb. .20 - .21
Scammony resin, lump, cns...lb. 1.30 - —
powd., cns. .....lb. 1.35 - —
Root, bgs. .....lb. .10 - .13½
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .30¾- —
smaller lots.....lb. .31½- —
kegs, 5,000 lbs., 1 shipm't..lb. .31½- —
smaller lots.....lb. .32¼- —
Selenium, pwd., cns., 10 lb. lots.. lb. 1.85 - —
cs., 1,000 lb. lots.....lb. 1.75 - —
Senega root, bls.....lb. 2.40 - 2.50
Senna leaf, Alex., half-leaf, bls. lb. .27 - .28
sifttings, bgs. .....lb. .24 - .25
Tinnevelly, No. 1, bls.....lb. .24 - .29
2, bls. .....lb. .22 - .27
3, bls. .....lb. .20 - .24
powd., bbls., bgs.....lb. .24 - .29
Pods, bls. .....lb. .14 - .21
Serpentaria root, bls.....lb. 2.75 - 2.80
Shellac, bleached, bonedry, bbls., 1,500-lb. lots..lb. .71 - —
Boston .....lb. .72 - —
Chicago .....lb. .72½- —
Pacific coast.....lb. .74½- —
refined, bbls., 1,500-lb. lot. lb. .78¼- —
Boston .....lb. .79½- —
Chicago .....lb. .80 - —
Pacific coast.....lb. .82 - —
Bonedry shellac sales of less than 1,500 lbs., at following additions to prices: (1) packed in bgs., ¾c. per lb.; (2) bbls., 1c. more; (3) kgs., 3c. more.
Shellac, superfine, 100 bgs., Boston, N. Y..lb. .72 - .73
Chicago .....lb. .72¼- .73
Pacific coast.....lb. .75 - .76
TN, 100 bgs., Boston, N. Y..lb. .67 - .68
Chicago .....lb. .67½- .68½
Pacific coast.....lb. .70 - .71
Shellac in cs., 2c. higher. Shellac sales 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 2c. more; 10 to 99 bgs., cs., 1c. more.

Use the VELSICOL METHYLNAPHTHALENES
FOR SOLVENT POWER • SYNERGISM • TOXIC ACTION • PLANT SAFETY
measure Performance BY THESE PROPERTIES
Your customers do

The following table gives examples of stepped-up performance from formulations combining Velsicol Methylnaphthalenes with such toxicants as DDT, Rotenone, Benzene Hexachloride or Pyrethrum.

SOLVENT POWER

VELSICOL	TEMP.	Weight of DDT soluble in 1 gallon of Velsicol	Weight of DDT in 1 gallon of finished solution and % by weight of DDT
AR50	77° F.	5½ lbs.	3.6 lbs.—40%
	14° F.	3½ lbs.	2.6 lbs.—30%
AR60	77° F.	5½ lbs.	3.6 lbs.—40%
	14° F.	3½ lbs.	2.6 lbs.—30%
AR70	77° F.	5¾ lbs.	3.6 lbs.—40%
	14° F.	3¾ lbs.	2.6 lbs.—30%

SYNERGISTIC ACTION
Effect of Velsicol AR-60—DDT on greenhouse red spider

Concentration of Insect Toxicant	Percent Mortality
0.125% Velsicol AR-60 (Water Emulsion)	18%
0.312% DDT in Acetone (Water Emulsion)	22%
0.125% Velsicol AR-60 plus 0.312% DDT (Water Emulsion)	84%

INSECTICIDAL ACTION

Type of Formulation	Insect Species	Percent Mortality
3% AR-60 in Dust	Mature female potato aphid	99%
3% AR-60 in Dust	Third instar larvae Mexican Bean Beetle	98-100%
3% AR-50 in Dust	Heliothrips Haemarrhoidalis	98-100%

PLANT SAFETY

Type of Formulation	Effect on Representative Plants
3% AR-60 plus 2% DDT as dust with pyrophyllite	None
50% AR-60 plus 25% DDT with suitable emulsifier in water emulsion	None

Each one of the above factors is of vital importance in the efficient action of your formulations. You get all four with the VELSICOL Methylnaphthalenes, AR-50, AR-60, AR-70. Write for samples and complete information.

VELSICOL Corporation
Manufacturers of: Insect Toxicants • Aromatic Solvents • Synthetic Resins • Coresin Core Oils
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Representatives: E. B. Taylor Co., Los Angeles 13 • E. M. Walls, San Francisco 11 • J. E. Russell, Houston 1
In Canada: Natural Products Corp., Montreal 2

Silica, amorph., dry-grd., 325 mesh, bgs., c.l., lll. works. ton.17.00 - —
l.c.l., works.....ton.20.00 - —
400 mesh, bgs., c.l., works. ton.18.00 - —
l.c.l., works.....ton.19.00 -20.00
wet-grd., 325 mesh, bgs., c.l., works..ton.18.00 - —
400 mesh, bgs., c.l., works. ton.30.00 - —
l.c.l., works.....ton.35.00 -38.00
90%-98%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.21.50 -23.00
99%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.22.00 -25.00
Hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton.15.50 - —
l.c.l., works.....ton.18.50 - —
140 mesh, bgs., c.l., works. ton.11.00 - —
l.c.l., works.....ton.16.00 - —

Silicon tetrachloride, tech., dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .18½- .27
Silver bullion.....oz. .90½- .91
Cyanide, cns., 100 ozs.....oz. .7486- —
Nitrate, bots., cns., 2,500-oz. lots..oz. .58½- —
1,000-oz. lots.....oz. .58½- —
500-oz. lots.....oz. .58⅝- —
single ounces.....oz. .59 - —
Neucleinate, USP, bots., dms., 1,000-oz. lots..oz. .390 - —
Proteinate, USP, bots., dms., 1,000-oz. lots..oz. .325 - —
Simarubra bark, bls.....lb. .87 - .88
Skullcap, Eastern, bls.....lb. .90 - .95
Western, bls.....lb. .50 - .55
Skunk cabbage root, bls.....lb. .45 - .50
Slate flour, bgs., c.l., works..ton.11.00 -12.00
l.c.l., works.....ton.12.00 -16.00
Sloe berries, bgs.....lb. .40 - .41
Smalt, black, ctns.....lb. .05 - .06
Blue, ctns.....lb. .07 - .08½

Snakeroot, Canada, bls.....lb. .65 - .70
Soapbark, bls.....lb. .27 - .28
crushed, bls., bbls.....lb. .32 - .33
cut, dom., bls., bbls.....lb. .32 - .33
imp., bbls .....lb. No stocks
powd., bbls.....lb. .30 - .31

Soda acetate, anhyd., dms., dlvd. lb. .09½- .10
cryst., NF, bbls., kgs.....lb. .14 - .16
tech., 99%, l.c.l., dlvd....lb. .05½- .06

Alginate, refined, water-soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works..lb. .42 - —
white, powd., dms.....lb. 1.50 - 1.60

Alkylbenzene sulphate, dms., works..lb. .13 - —

Aluminate, for water treat., bgs., c.l., works..100 lbs. 7.50 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works.. 100 lbs. 7.00 - —
l.c.l. .....100 lbs. 7.50 - 8.00

Antimoniate, bbls., dlvd....lb. .16 - .16½

Arsenate, dms., dealers, c.l., works..lb. .09½- —
l.c.l., works.....lb. .10¾- .11⅛

Arsenite, grey, dms., dealers, c.l., works..lb. .09½- —
l.c.l., works.....lb. .10½- .11½

Soda arsenite, gray ¾c. higher in Chi.. 2c. higher in Houston, Tex., and Palo Alto, Calif.

Ash, dense, 58%, bgs., c.l., 100 lbs. .90 - —
l.c.l., divd., zone 1.... 100 lbs. 2.18 - —
2 .....100 lbs. 2.33 - —
3 .....100 lbs. 2.58 - —
4 .....100 lbs. 2.98 - —
bbls., c.l., works, zone 1. 100 lbs. 1.35 - —
l.c.l., zone 1.....100 lbs. 1.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works....100 lbs. .85 - —

Soda ash, extra light, 58%, bgs., c.l..100 lbs. 1.18 - —
l.c.l., divd., zone 1..... 100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 2.45 - —
l.c.l., divd., zone 1..... 100 lbs. 2.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. .90 - —
bulk, c.l., works...100 lbs. .90 - —
light, 58%, bgs., c.l., works. 100 lbs. 1.05 - 1.13
l.c.l., divd., zone 1..... 100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works..100 lbs. 1.85 - —
l.c.l., divd., zone 1..... 100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash sales zones are:(1) All States E. of Miss. R. and N. of south bound. of Ky. and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 98°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.
Open market prices are 5 percent higher, according to OPA ceiling.

Soda benzoate, tech., bbls., 2 tons or more..lb. .39 - —
smaller lots.....lb. .40 - .41
USP, dms., 2 tons or more.lb. .46 - —
smaller lots.....lb. .47 - .49

Bicarbonate, USP, gran., bgs., c.l., works..100 lbs. 2.20½- 2.25
l.c.l. .....100 lbs. 2.57½- 2.59

Bichromate,[1] bgs., c.l., works.. lb. .07¾- —
l.c.l., works.....lb. .07¾- .08¼
Soda bichromate, in bbls., ½c. higher.

Bifluoride, bbls., c.l., frt. alld. E..lb. .11½- —
l.c.l., same basis.....lb. .12 - .14
kgs., same basis.....lb. .13½- .14

Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solut., 32°, bbls., c.l., works, 100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.55 - —
30° bbls., c.l., works.100 lbs. 1.35 - —
l.c.l., works.....100 lbs. 1.60 - —
35°, bbls., c.l., works.100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - —
40°, bbls., c.l., works.100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - —

Bromide, USP, gran., bbls., 500 lbs., works..lb. .25 - —
dms., works.....lb. .25 - .29

Cacodylate, bots., dms.....lb. 8.50 -10.50

Carbonate (see Soda ash, Soda monohydrate Soda sal).

Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1, dlvd.100 lbs. 3.55 - —
2, dlvd.....100 lbs. 3.70 - 3.05
3, dlvd.....100 lbs. 3.95 - 3.30
4, dlvd.....100 lbs. 4.35 - 3.70
liquid, 47-49%, buyer's tanks, works, dry basis..100 lbs. 1.92½- —
sellers, tanks works, dry basis..100 lbs. 1.95 - —
76%, buyers' tanks, works, dry basis..100 lbs. 1.97½- —
seller's tanks, works, dry basis..100 lbs. 2.00 - —
solid, 76%, dms., c.l., works. 100 lbs. 2.30 - —
l.c.l., zone 1, dlvd..100 lbs. 3.15 - —
2, dlvd.....100 lbs. 3.30 - —
3, dlvd.....100 lbs. 3.55 - —
4, dlvd.....100 lbs. 3.95 - —
Caustic soda zones are same as soda ash.

Open market prices are 5 percent higher, according to OPA ceiling.

Chlorate, cryst., bgs., c.l., works lb. .06½- —
l.c.l., works.....lb. .06½- —
powd., kgs., c.l., works....lb. .06½- —
l.c.l., works .....lb. .07 - .06¼

Chloride (see Salt).

Chromate,[1] bbls., cks., c.l., works, frt. equald..lb. .09¼- —
l.c.l., works, frt equald..lb. .09½- .09¾
Soda chromate in bgs. is ½c. less.

Citrate, USP VIII, bbls.....lb. .18½- —
dms.....lb. .19½- .22½
USP XII, gran., bbls.....lb. .24 - —
dms.....lb. .23 - .29
powd., bbls.....lb. .24½- —
dms.....lb. .25½- .29½

Cyanide, 96-98%, dms.....lb. .14¼- .15

Diacetate, 53-35% acidity, bbls., divd..lb. .09½- .10¼
anhydrous, dms., divd.....lb. .12½- —

Fluoride, white, 90%, bbls., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
95%, bbls., c.l., works...lb. .07¼- —
l.c.l., works.....lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.

Formate, bgs., c.l., works..lb. .0635- —
l.c.l., works.....lb. .0680- —

Glutamate, monobasic, kgs..lb. 1.04 - 1.06

Glycerophosphate, NF, crys., bbls., 100 lbs..lb. 1.25 - —
dms.....lb. 1.40 - —
powder, 5c. higher.
solution, 50%, cbys., cns...lb. .82 - .90

Hydrosulphite, dms., c.l., frt. alld..lb. .16½- —
l.c.l., frt. alld.....lb. .18 - —

Hydroxide, USP, sticks, dms.lb. .24 - .25

Hypophosphite, NF, cns.....lb. .67 - .70

Hyposulphite, cryst., bgs., c.l., works, frt equald..100 lbs. 2.25 - —
l.c.l., same basis...100 lbs. 2.50 - —
pea, cryst., bgs., c.l., works.. 100 lbs. 2.60 - —
Soda, hyposulphite, crystals, in bbls., 20c. higher; pea crystals, dms., 50c. higher.

USP, cryst., bbls.....lb. .10 - .12

Iodate, dms., jars.....lb. 5.40 - 5.48

Iodide, bots.....lb. 2.53 - 2.57
dms., jars.....lb. 2.42 - —

Mandelate, dms.....lb. 3.25 - 3.35

Metaborate, gran., bbls., c.l., dlvd..lb. .0485- —
l.c.l., N. Y. or Chi....lb. .051 - —
bgs., c.l., dlvd.....lb. .0435- —
l.c.l., N. Y. or Chi....lb. .046 - —

Metanilate, bgs.....lb. .40 - —

Metasilicate, anhyd., dms., c.l., works, frt. equald..100 lbs. 4.00 - —
l.c.l., same basis...100 lbs. 4.90 - 5.30
gran., bbls. c.l., works, frt. equald..100 lbs. 2.50 - —
l.c.l., dlvd.....100 lbs. 3.30 - 3.55

Methylate, bots., works.....lb. 1.00 - —
cns., works.....lb. .55 - .60
dms., works.....lb. .45 - .00

Molybdate,[1] anhyd., kgs., works. lb. .47 - —
crystals, bgs., works.....lb. .60 - —

Monohydrate, bgs., c.l..100 lbs. 2.90 - —
works .....100 lbs. 2.45 - —

Naphthionate, bbls.....lb. .50 - —

Nitrate, crude, dom., 100-lb. bgs., c.l., works..ton.30.05 - —
bulk, c.l., works.....ton.27.00 - —
refd., gran., bbls., 10 tons.. 100 lbs. 3.60 - —
smaller lots.....100 lbs. 3.75 - 4.00
imp., 100-lb. bgs., c.l., Atl. Gulf, Pac. whse..ton.38.50 - —
bulk, same basis.....ton.35.50 - —

Nitrite, 96-98%, bbls., c.l., works, frt. equald..lb. .06¾- —
West coast, perts.100 lbs. 8.00 - 8.05
l.c.l., dlvd.....100 lbs. 8.90 -11.90

Orthosilicate, anhyd., dms., c.l., works, frt. equald..100 lbs. 4.50 - —
l.c.l., same basis...100 lbs. 5.45 - 5.80
flake, dms., c.l., works.100 lbs. 3.10 - —
l.c.l., dlvd.....100 lbs. 4.30 - 4.55

Oxalate, neut., bgs., works..lb. .10 - —

Panthothenate, dextrorotary, 100-gram bots..per gram. .10 - —

Pentachlorophenate, briquets, bgs., works, frt. equald..lb. .17 - .18
powd., bgs., c.l., works, frt. equald..lb. .16 - .16½
l.c.l., works, frt. equald.lb. .17 - —
kgs., l.c.l., works, frt. equald. lb. .19 - —

Perborate, NF, bbls., c.l., works. lb. .14¾- —
l.c.l., works..... .....lb. .15½- —

Peroxide, dms., c.l., dlvd. E. of Miss..lb. .14 - —
smaller lots.....lb. .17 - —

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The textile industry, one of the biggest consumers of industrial chemicals, has learned to rely on Stauffer for dependable service. For Stauffer is geared to produce chemicals of the highest quality in large quantities. With more than a dozen plants located within convenient reach of every industrial center, Stauffer can deliver the goods . . . in quantity.

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*Aluminum Sulphate	Chlorine	Silicon Tetrachloride	Sulphur Chloride
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Boric Acid	*Copperas	Stripper, Textile	Tartar Emetic
Carbon Bisulphide	Cream of Tartar	Sulphur	Tarteric Acid
Carbon Tetrachloride	Muriatic Acid	Sulphuric Acid	Titanium Tetrachloride
Caustic Soda	Nitric Acid		

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Soda phosphate, dibasic, tech., anhyd., bgs., c.l., works, 100 lbs.	6.00	- 6.25
l.c.l., works....100 lbs.	6.40	- 6.75
cryst., bgs., c.l., works, 100 lbs.	2.55	- 2.70
l.c.l., works....100 lbs.	2.95	- 3.45
USP XII, dried, bbls., dms., works..lb.	.159	- —
monobasic, anhydrous, bgs., c.l., works..100 lbs.	7.25	-8.25
l.c.l., works.....100 lbs.	7.65	- 9.00
tribasic, anhydrous, bgs., c.l., works, frt. equald.100 lbs.	6.00	- 6.95
l.c.l., same basis.100 lbs.	6.50	- 7.00
cryst., bgs., c.l., works.... 100 lbs.	2.70	- —
l.c.l., same basis..100 lbs.	3.10	- —
kgs., c.l., works...100 lbs.	3.40	- —
l.c.l., works....100 lbs.	3.80	- —
USP (see Sodium phosphate, dibasic). Soda phosphate in bbls. 20c. higher.		
Prussiate, yellow, bgs.....lb.	.10¾-	—
bbls., ...lb.	.11	- —
Pyrophosphate, ferric, dms., 10,000 lbs., works..lb.	.22	- —
smaller lots, works.....lb.	.22½-	—
tetrabasic, anhydrous, bgs., c.l., works, frt. equald. 100 lbs.	5.25	- —
Ricinoleate, tech., bbls.....lb.	.12	- —
Sal, bgs., c.l.....100 lbs.	1.35	- —
works, c.l. .....100 lbs.	1.10	- —
bbls., c.l. .....100 lbs.	1.40	- —
works, c.l. .....100 lbs.	1.20	- —
Salicylate, dms.....lb.	.52	- .54
Sesquicarbonate, bgs., c.l., works..100 lbs.	1.50	- —
Sesquicarbonate, bbls., c.l., works..100 lbs.	1.70	- —
l.c.l., zone 1, dlvd..100 lbs.	2.70	- —
2, dlvd. .....100 lbs.	2.85	- —
3, dlvd. .....100 lbs.	3.10	- —
4, dlvd. .....100 lbs.	3.50	- —
Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.		
Sesquisilicate, dms., c.l., works. 100 lbs.	3.95	- —
l.c.l., dlvd. .....100 lbs.	4.30	- 4.45
Silicate, 40°, turbid, dms., c.l., works..100 lbs.	.80	- —
l.c.l., works.....100 lbs.	1.05	- 1.20
tanks, works .....ton.	13.00	- —
52°, turbid, dms., c.l., works, 100 lbs.	1.40	- —
l.c.l., works.....100 lbs.	1.65	- 1.80
tanks, works.....ton.	25.00	- —
Silicofluoride, bbls., c.l., works, lb.	.06½-	.07
l.c.l., works .....lb.	.07	- .07½
Stannate, dms., works, frt. alld. E..lb.	.32½-	.36½
Stearate, bbls, works.....lb.	.19	- .24
Sulphate, NF, dried, powd., bbls..lb.	.07	- .07¼
tech., anhyd., bgs., c.l., works 100 lbs.	1.70	- —
l.c.l., works.....100 lbs.	1.95	- 2.20
cryst. (see Glauber's salt), USP, cryst., gran., bbls....lb.	.07	- .10
Sulphide, cryst., bbls., c.l., works..100 lbs.	2.40	- -
l.c.l., dlvd. .....100 lbs.	3.15	- —
solid, bbls., c.l., works.100 lbs.	3.15	- —
l.c.l., dlvd. .....100 lbs.	3.65	- 3.90
Sulphite, cryst., bgs., c.l., works..100 lbs.	2.10	- —
l.c.l., works ....100 lbs.	2.35	- —
bbls., c.l., works..100 lbs.	2.30	- —
l.c.l., works ....100 lbs.	2.55	- —
powd., bbls., c.l., works... 100 lbs.	5.25	- -
l.c.l., works.....100 lbs.	5.50	- 6.00
Sulphocarbolate, USP IX, gran., bbls., dms..lb.	.28	- .33
powd., bbls. .....lb.	.30	- .35
Sulphocyanide, CP, dms.....lb.	.55	- .65
Sulphohydrate, liquid, 88% dms., c.l., works, 100% basis. lb.	.06	- —
l.c.l., same basis.....lb.	.08	- —
Sulphohydrate, liquid, 88%, tanks, 100% basis, works. lb.	.08¾-	—
flake, 70-72%, dms., c.l., works..lb.	04½-	—
l.c.l., works. .....lb.	.05	- —
Sulphoxylate formaldehyde, dms., c.l., works, frt. alld..lb.	.17½-	—
Sulphoricinoleate, bbls.....lb.	.12	- —
Thiocyanate (see Soda, sulpho-cyanide).		
Thiosulphate (see Soda hyposulphite).		
Tungstate,[1,6] tech., bgs.....lb.	1.35	- 1.60
Soda-ammonia phosphate, bbls., works, frt. equald.....lb.	.23	- —
Soda-cinchophen, bots., dms., works..lb.	3.75	- 3.85
Soda-formaldehyde sulphoxalate, stand. cont. 125-250 lbs..lb.	.19	- .22
Soda-sulphadiazin, USP, dms., works..lb.	10.50	-10.60
Soda-sulphamerazin, dms., works. lb.	10.50	-10.60
Soda-sulphapyridin, powd., bots., dms., works..lb.	5.00	- 5.30
Soda-sulphathiazole, USP, dms., works..lb.	2.50	- 2.80
Solvent naphtha, dms., wks..gal.	.27	- —
tanks, E. of Omaha, frt. alld. gal.	.22	- —
Minnequa, Colo.....gal.	.26	- —
high-flash, coaltar, dms., works..gal.	.30	- —
tanks, frt. alld. E. of Omaha to 3c. per gal.. gal.	.25	- —
Sorbitol, com'l, dms., c.l., works. lb.	.20¼-	—
l.c.l., works .....lb.	.20¾-	—
Soybean meal,[7] 41%, bulk, c.l., Decatur..ton.	80.00	-90.00
Protein, alpha, bgs., 40,000 lbs., works..lb.		No prices
20,000 lbs., works.....lb.		No prices
smaller lots, works....lb.		No prices
Sparteine sulphate, bots., ozs. oz.	2.95	- 3.25
Spearmint leaves, bls.....lb.	.48	- .49
Spikenard root, bls.....lb.	.50	- .55
Spruce extract, liq., reg., bbls., c.l., works..lb.	.02½-	—
tanks, works.....lb.	.01½-	—
pwd., super, bgs., c.l., wks.lb.	.04½-	—
Squaw vine, bls.. .....lb.	.53	- .55
Squill, red, fortified, powd., bbls., bxs..lb.	1.60	- —
White, bls. .....lb.	.10	- .12
powd., bbls., bxs.....lb.	.16	- .20
St. Ignatius beans, bgs.....lb.		No stocks
St. John's bread, edible, bls...lb.	.10¾-	.11½
Starch,[1] corn, pearl, bgs., c.l. 100 lbs.	5.371	- —
l.c.l. .....100 lbs.	5.471	- —
Chicago, c.l.....100 lbs.	4.97	- —
powd., bgs., c.l.....100 lbs.	5.521	- —
l.c.l. .....100 lbs.	5.621	- —
Chicago, c.l.....100 lbs.	5.12	- —
Cornstarch prices above are for paper bags; cotton bags are 20c. higher.		
Potato, bgs., c.l.....lb.	.0735-	.0750
l.c.l. .....lb.	8.10	- .08¼
Rice, bgs., c.l..... .....lb.		No stocks
Sweetpotato, bgs. .....lb.		No stocks
Wheat, bgs. .....lb.	.06½-	.06¾
Starch iodide, bots.....lb.	1.87	- —
Staves acre seed, bgs.....lb.	.60	- .61
Stearin, oleo (see Oleostearin).		
Stillingia root, bls.....lb.	.45	- .50
Stoneroot, bls. .....lb.	.07½-	.08
Storax, cs. .....lb.	1.00	- 1.10
Stramonium leaves, bgs.....lb.	.20	- .25
Seed, bgs. .....lb.	.20	- .21
Streptomycin, hospitals.....gram.	8.00	- —
wholesalers .....gram.	6.40	- —
Strontium bromide, NF, ens., dms..lb.	.53	- .55
Carbonate, 90%, bbls.....lb.	.14	- .16
99%, bbls. .....lb.	.22	- .25
Chloride, tech., bbls.....lb.	.22	- .24
mesh 90%, bbls., works,ton.	58.00	- —
Chromate, bbls., kgs., Phila.lb.	.35	- .37
Iodide, bots. .....lb.	3.05	- 3.15
jars, 25 lbs.....lb.	3.00	- —
Lactate, dms. .....lb.	1.30	- 1.35
Nitrate, bbls., c.l., works....lb.	.07¾-	—
l.c.l., works .....lb.	.08¼-	.08¾
Oxalate, bbls., works.....lb.	.35	- .40
Salicylate, NF, dms.....lb.	1.10	- 1.15
Sulphate, nat., air-floated, 325 mesh 90%, bbls., works..ton.	58.00	- —
Strontium-calcium sulphide, phosphorescent, dms., works..lb.	2.50	- 2.85
Strophanthin, bots. .....oz.	30.00	-50.00
Strophanthus seed, Kombe, bgs. lb.	2.25	- 2.30
Strychnine, NF, powd., ens., 100 ozs..oz.	1.25	- —
Sulphate, USP, powd., ens., 100 ozs..oz.	1.00	- —
Styrolyl acetate, bots.	2.50	- 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works..lb.	.45	- —
tech., bbls., l.c.l., works...lb.	.40	- —
Sugar coloring (see Caramel coloring).		
Sugar of milk (see Milk sugar).		
Sulphadiazine, USP, dms., works. lb.	9.00	- 9.10
Sulphaguanidin, dms., works..lb.	4.50	- 4.60
Sulphamerazin, dms., works...lb.	9.00	- 9.10
Sulphanilamide, USP, powd., bots., works..lb.	1.05	- 1.10
Sulphanilamide, 30-60 mesh, 10c. higher.		
Sulphapyridin, powd., bots., tins, works..lb.	5.00	- 5.30
Sulphathiazole, USP, powd., dms., works..lb.	2.80	- 2.80
Sulphonethylmethane, kgs.....lb.	6.75	- 6.85
Sulphonmethane, kgs.....lb.	5.25	- 5.35
Sulphur, crude, c.l., bulk, mines, contract..long ton.	16.00	- —
vessels, Gulf ports, con-'ract..long ton.	17.50	- —
flour, comm'l, 99¼%, bgs., c.l., works..100 lbs.	1.65	- —
l.c.l., works.....100 lbs.	2.00	- 2.11
precipitated, USP, bbls., kgs.lb.	.18	- .26
refined, flour, extra fine, bgs., c.l., works..100 lbs.	2.90	- —
l.c.l., works.....100 lbs.	3.25	- 3.40
heavy, bgs., c.l., works..... 100 lbs.	2.60	- —
l.c.l., works.....100 lbs.	2.95	- 3.10
light, bgs., c.l., works.100 lbs.	2.70	- —
l.c.l., works.....100 lbs.	3.05	- 3.20
flowers, USP, bgs., c.l., works. 100 lbs.	3.05	- —
l.c.l., works.....100 lbs.	3.40	- 3.55
Refined sulphur flowers in bbls., 35c. higher.		
rock, bbls., c.l., works.100 lbs.	2.20	- —
l.c.l., works .....100 lbs.	2.55	- 2.70
roll, bbls., c.l., works.100 lbs.	2.40	- —
l.c.l., works .....100 lbs.	2.75	- 2.90
rubbermakers', bgs., c.l., wks. 100 lbs.	1.35	- —
Chloride, 35-gal. dms., c.l., works..lb.	.03	- .03½
l.c.l., works.....lb.	.04	- 04¼
10-gal. dms., c.l., works...lb.	.07	- .07½
l.c.l. .....lb.	.08	- .08½
Dioxide, liquid, com'l, cyls., c.l., works..lb.	.07	- —
l.c.l. .....lb.	.08	- —
multi-unit cars, works..lb.	.06	- —
tanks, works.....lb.	.04	- —
refrigeration, cyls., l.c.l., works..lb.	.13	- .16
Iodide, bots., jars.....lb.	3.90	- 4.11
Sumac extract, No. 1, bbls....lb.	.10¼-	—
No. 2, bbls.....lb.	.09	- —
crystals, bbls.....lb.	.40	- —
stainless, bbls.....lb.	.11	- .13½
Superphosphate,[1] pulverized, run-of-pile under 22% a.p.a. bulk, production points, Balto..unit-ton.	.70	- —
Florida .....unit-ton.	.58	- .59
others .....unit-ton.	.57	- .59
Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 88½c., per unit-ton plus frt. charge from Aaaconda, Mont., in excess of $3.03 per ton; guaranteed 18, 19 or 20% a.p.a., 50c. per unit-ton higher.		
triple, 48% or more, a.p.a., bulk, producing points, Florida, unit-ton.	.68	- —
South Carolina..unit-ton.	.75	- —
Tennessee .....unit-ton.	.80	- —
Other States and D.C., 62c. per unit-ton plus frt. charge for 48% from E. Tampa, Fla.		
Superphosphate, gran., 2c. per unit-ton higher than pulverized.		
Sweet basil, bls.. .....lb.	.90	- 1.00

T

Talc, dom., ordinary, grd., bgs., c.l., works..ton.	14.50	-24.50
l.c.l., works.....ton.	16.50	-30.00
Calif., bgs., c.l., wks..ton.	22.00	-30.00
Pennsylvania, bgs., c.l., works..ton.	11.00	-13.50
l.c.l., works.....ton.	12.00	-14.50
Vermont, bgs., c.l., works. ton.	14.00	- —
l.c.l., works.....ton.	17.50	- —

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Company.....

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OPDR

Talc, dom., fibrous, grd., off-color, New York, bgs., c.l., works..ton.13.00 - —
fine, New York, 325 mesh, 93-94%, bgs., c.l., works. ton.17.50 - —
98 - 99.5%, bgs., c.l., works..ton. No prices.
99.85-99.95% bgs., c.l., works..ton. No prices.
imp., Canada, bgs., c.l.....ton.35.00 - 44.50
Tallow,[1,7] edible, tanks.....lb. .09¾- —
inedible, extra, loose.....lb. .08¾- —
special, loose.....lb. .09½- —
sulphonated 50% (42% fat), dms., c.l..lb. .07 - .07½
(70% fat), dms., c.l.....lb. .10 - .10½
Tallow, sulphonated, l.c.l., ½c. higher.
Tamarind, bbls.....lb. .12¾- .12¾
Tankage,[7] animal, feed grade, 9-11% ammon., bulk, unit-ton.10.00 - —
Chicago .....unit-ton.10.00 - —
fert. grade, 9% ammon., 10% b.p.l., bulk..unit-ton.10.00 - —
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton.10.00 - —
Tapioca flour,[6] bgs.....lb. .12½- .13
Java, bgs.....lb. No stocks
Tar acid oil, 15-18%, dms., c.l., works..gal. .27½- .30½
l.c.l., works.....gal. .29½- .32½
25%, dms., c.l., works...gal. .31½- .35½
l.c.l., works.....gal. .33½- .37½
Tar, pine (see Pinetar).
Tara[1] pods, c.l., ex dock U. S. ports..long ton.87.25 - —
powd., c.l., same basis.long ton.125.00 - —
Tarragon herb, bgs.....lb. .60 - .65
Leaves, bgs.....lb. 1.20 - 1.25
Tartar emetic, tech., gran. or powd., bbls., kgs..lb. .44 - —
dms. .....lb. .44¾- .47
Tartar emetic, USP, powd., bbls., dms., kgs..lb. .49 - .52
Terpin hydrate, com'l, bbls., c.l., lb. .24½- —
lb. .25 - .25½
USP, cryst., bbls., dms....lb. .70 - .75
powd., bbls., dms.....lb. .75 - .80
Terpineol, Alpha (see A).
com'l, dms., c.l., South.....lb. .13½- —
l.c.l., South.....lb. .14 - —
tanks, South.....lb. .13 - —
pure, dms.....lb. .34 - .50
extra, dms.....lb. .37 - —
Terpinglycol ether, dms. (extra), c.l., works..lb. .19¾- —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .19 - —
Terpinyl acetate, extra, cns., dms. lb. .80 - .87
prime, cns., dms.....lb. .62 - .70
Terra alba (see Gypsum).
Tetrachloroethane, dms., works, lb. .08 - .08½
Tetrachloroethylene, NF VI, 55-gal. dms., works..lb. .20 - 21½
smaller dms., works.....lb. .23½- .25½
tech. (see Perchloroethylene).
Tetraethyl orthosilicate, dms., works..lb. .65 - —
Tetralin, dms. .....lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 90%, bots., works..lb.12.50 - —
Theobromine, dms., 25-lb. lots.lb. 3.75 - —
smaller lots .....lb. 3.95 - 4.10
Thiamine hydrochloride, dms., 100 grams or more..kilo.160.00- —
Thiocarbanilide, dms. .....lb. .24 - —
Thiouracil, dms., works.....lb. 5.50 - 5.60
Thiourea, CP, dms. .....lb. .55 - .56
Thorium nitrate, cs., works..lb. 2.60 - —
Thyme, French, bgs. .....lb. .17 - .17½
futures, bgs. .....lb. .16 - .16½
Spanish, bls. .....lb. .13 - .13½
Thymol, cns. .....lb. 2.40 - 2.75
Iodide, dms. .....lb. 3.40 - 3.60
Timbo root (see Cube root).
Tin chloride,[6] anhydrous.....lb. No stocks.
crystals,[6] bgs., bbls.....lb. No stocks.
Metal,[1,6] .....lb. .52 - —
Bolivian .....lb. .63¼- —
Straits .....lb. No stocks.
Oxide,[1,6] bbls. .....lb. .54 - .55
Tetrachloride,[6] anhyd., dms., works..lb. .31 - .33
Titanium dioxide,[1,4] chalk resistant, bgs., c.l., dlvd..lb. .15 - —
l.c.l., dlvd. .....lb. .15¼- .15¾
nonchalking,[1,4] bgs., c.l., dlvd. E..lb. .16¾- —
l.c.l., dlvd. .....lb. .16¾- .17¼
plain, bgs., c.l., dlvd.....lb. .14½- —
l.c.l., dlvd. .....lb. .14¾- .15¼
Hydride, cns., works.....lb. 7.00 - 8.00
Pigment, barium base,[1,4] bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
Calcium base,[1,4] bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd.....lb. .06¾- —
Calcium-rutile base,[1,4] bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd.....lb. .05¾- —
Magnesium base,[2,4] dlvd...lb. No prices
l.c.l., dlvd.....lb. No prices
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast, c.l., dlvd., l.c.l., ex whse, ¼c. higher.
Tetrachloride, CP, 55-gal. dms., works..lb. .57 - —
smaller pkgs., works....lb. .65 - 1.22
technical, 55-gal. dms., works. lb. .32 - —
smaller pkgs., works.....lb. .40 - 1.00
Tolu balsam, cns.....lb. 4.25 Nom.
Toluene (see Toluol).
Toluidin base, distilled, kgs...lb. .96 - —
Toluol (toluene), 2°, indust., ret. dms., works..gal. .27 - —
tanks, E. of Omaha, frt. alld..gal. .22 - —
West Minnequa, Colo..gal. .22 - —
1°, nitration, ret. dms., works. gal. .27 - —
tanks, E. of Omaha, frt. alld..gal. .22 - —
West Minnequa, Colo..gal. .22 - —
Tonga, 50% bark and vine, bbls. lb. .90 - .91
Tonka beans, Angostura, cks..lb. 1.70 - 1.80
Brazilian, Surinam, cs.....lb. .85 - .90
Totaquine,[1,6] USP XII, 100-ozs. lots..oz. .52 - —
Triacetin, dms., works.....lb. .26 - —
Triamylamine, dms., c.l., works. lb. .98 - —
l.c.l. .....lb. 1.01 - —
Tributyl citrate, dms.....lb. .29 - .31
smaller pkgs.....lb. .34 - .40
Phosphate, cns., l.c.l., dlvd..lb. .53 - .55
dms., l.c.l., dlvd.....lb. .49 - —
Tributylamine, dms., c.l., works. lb. .78 - —
l.c.l., works.....lb. .81 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .08 - —
l.c.l., frt. alld.....lb. .08½- —
tanks, frt. alld.....lb. .07½- —
Trichloroethane, dms., c.l., works. lb. .15 - —
l.c.l., works.....lb. .17 - —
Trichloroethylene, dms., c.l., Zone 1, works, frt. alld..lb. .08 - —
Zone 2, frt. alld.....lb. .08½- —
Zone 3, frt. alld.....lb. .09 - —
Zone 4, ex whse.....lb. .09 - —

Trichloroethylene, l.c.l. prices, ½c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.

Tricresyl phosphate, tech., cns., works..lb. .28 - .30½
dms., c.l., dlvd.....lb. .25 - —
l.c.l., dlvd.....lb. .25½- —
tanks, dlvd.....lb. .24 - —
Triethanolamine, dms., c.l., frt. alld. in E..lb. .19½- —
l.c.l., same basis.....lb. .20½- —
tanks, same basis.....lb. .18½- —
Triethyl phosphate, cns.....lb. .40 - —
Triethylamine, dms., c.l., works, basis 100%..lb. .34 - —
l.c.l., works, basis 100%...lb. .36 - —
tanks, works, basis 100%....lb. .30 - —
Triethyleneglycol, dms., c.l., frt. alld. in E..lb. .18½- —
l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .17½- —
Trimethylamine, anhydrous, cyl., works, frt. alld. E. of Miss., 100% basis..lb. .35 - —
solution, dms., c.l., frt. alld. E. of Miss., 100% basis..lb. .35 - —
Trimethylolpropane, bbls.....lb. .65 - —
Triphenyl phosphate, bbls., c.l., frt. alld..lb. .31 - —
l.c.l., same basis.....lb. .32 - —
Tripoli, air-floated, bgs., c.l., works..ton.21.50 - —
double-grd., bgs., c.l., works. ton.17.50 - —
once-grd., bgs., c.l., works.ton.16.00 - —
Trisodium phosphate (see Soda phosphate tribasic).
Tuba root (see Cube root).
Tungsten metal, powd., 99-99.7%, dms., works..lb. 2.60 - 5.40
Oxide, kgs.....lb. No prices
Turmeric root, Alleppey, bls...lb. .19½- .20
Haitian, bls.....lb. .14½- .15
Jamaica, futures, bls.....lb. .15½- .16
Madras, bgs.....lb. .16¼- .16¾
Turpentine, gum, ret. dms., c.l. gal. 1.16 - —
l.c.l. .....gal. 1.16 - —
tanks, Savannah.....gal. 1.11 - —
Wood, d.d., dms., East....gal. .86 - —
tanks, East.....gal. .68 - —
steam-dist., ret. dms., East. gal. .83 - —
tanks, East.....gal. No prices
Sulphate, ret. dms.....gal. .80 - .85

U

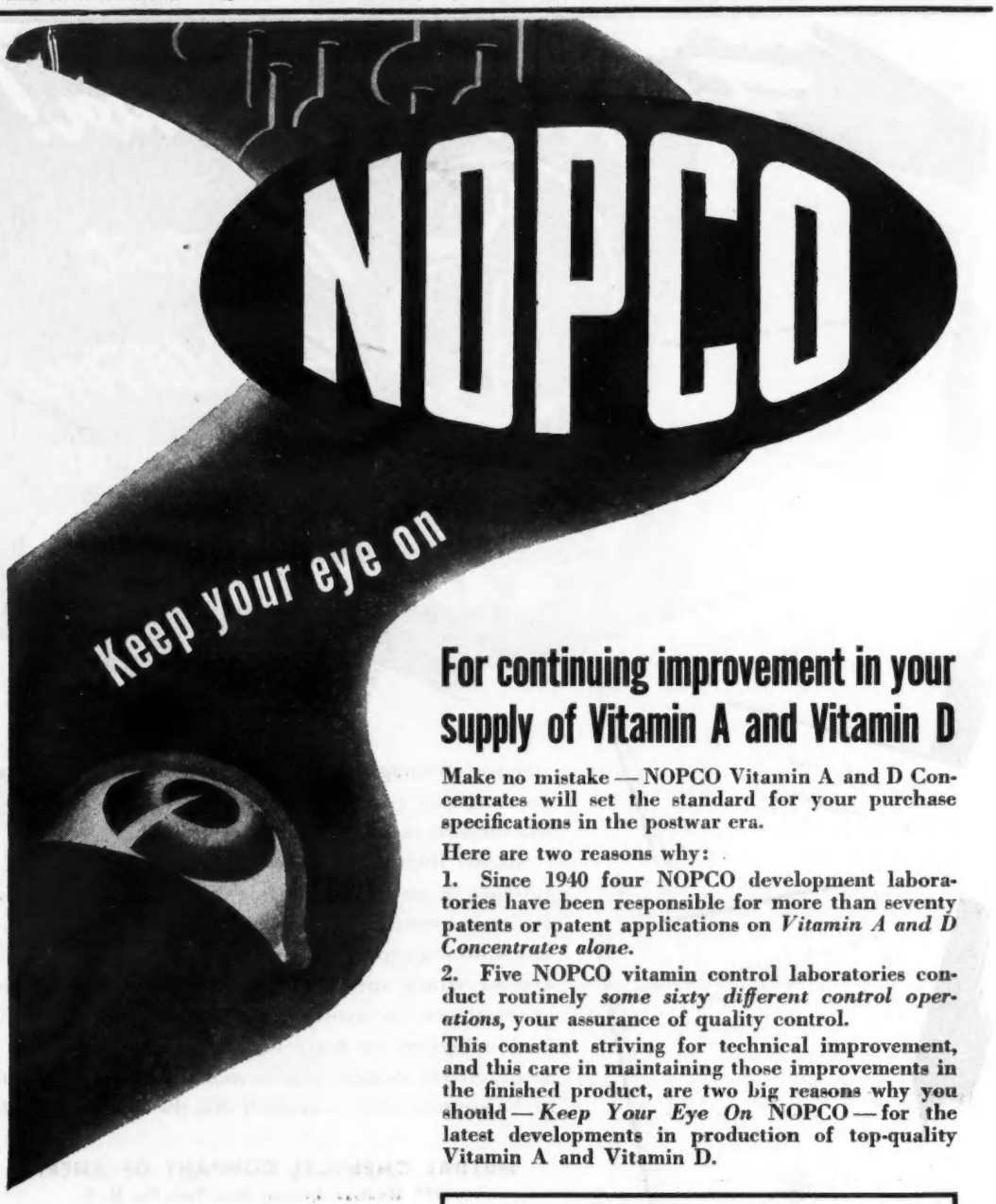
Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium,[6] oxide, black, bgs...lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., c.l., works or ship. pts..ton.68.00 - —
l.c.l., ship. pts.....ton.70.50 -80.00
fertilizer comp., 42% N., bulk, c.l., works or Atlantic or Gulf ports..ton.57.40 - —
fixed ammonia content, usual Atlantic and Gulf ports, NH_3..ton.116.80 - —
imports, pure, cs.....lb. .12 - —
Urea-ammonia liquor (A and B), free ammonia content, Belle, W. Va., freight equalized with Hopewell, Va..ton.59.00 - —
fixed ammonia content, Belle, W. Va., freight equalized with Hopewell, Va., NH_3. ton.112.80 - —

C and D prices for Urea-ammonia liquor are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.

Urunday, extract, 63% tannin, ex dock, U.S. ports..lb. .05625- .05875
Uva ursi leaves, bls.....lb. .16 - .19

V

Valerian root, Belgian, NF, bls. lb. .73 - .77
Indian, bls. .....lb. .42 - .52
Valonia, beards, bgs, ex dock.. ton.68.00 -70.00
Cups, bgs., ex dock.....ton.55.00 -60.00
Extract, powder, bgs., ex dock, lb. .12½- —
Vanadium pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb. 8.00 - 8.75
Mexican, cuts, tins.....lb. 9.50 -10.00
whole, tins.....lb.10.50 -11.00
Tahiti, tins.....lb. 4.00 - 4.25
Vanillin, ex eugenol, tins, 25 lbs. or more..lb. 4.50 - —
smaller lots, tins.....lb. 4.55 - 4.65
ex guaiacol, tins, 25 lbs. or more..lb. 2.35 - —
smaller lots, tins.....lb. 2.40 - 2.50
ex lignin, tins, 25 lbs. or more. lb. 2.35 - —
smaller lots, tins.....lb. 2.40 - 2.50
Venice turpentine, artif., cns..lb. .24 - .28
Verdigris, bbls., bgs.....lb. .22 - .28



For continuing improvement in your supply of Vitamin A and Vitamin D

Make no mistake — NOPCO Vitamin A and D Concentrates will set the standard for your purchase specifications in the postwar era.

Here are two reasons why:

1. Since 1940 four NOPCO development laboratories have been responsible for more than seventy patents or patent applications on *Vitamin A and D Concentrates alone.*

2. Five NOPCO vitamin control laboratories conduct routinely *some sixty different control operations,* your assurance of quality control.

This constant striving for technical improvement, and this care in maintaining those improvements in the finished product, are two big reasons why you should — *Keep Your Eye On* NOPCO — for the latest developments in production of top-quality Vitamin A and Vitamin D.

Available again in unlimited quantities

NOPCO FISH LIVER OIL BLEND — processed for taste, odor, color, and clarity — source of Vitamin A alone or in combination with either Natural Vitamin D or Irradiated Ergosterol.

Nopco's complete "A and D line" includes

Vitamin A—in fish liver oil blends or concentrates.

Vitamin D Concentrates from Fish Liver Oil.

Irradiated Ergosterol—potencies up to 3,000,000 U.S.P. units per gram.

Vitamin A and D combinations.

NATIONAL OIL PRODUCTS COMPANY
HARRISON, N. J.
Boston • Cedartown, Ga. • Chicago • Richmond, Cal.

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Pioneer producer of natural Vitamins A and D, Vitab Rice Bran Concentrate and Calcium Pantothenate.

Vinyl acetate, cbys., works	lb.	.25	—
dms., c.l., works	lb.	.15	—
l.c.l., works	lb.	.16	—
smaller pkgs., l.c.l., works	lb.	.25	—
Ether, bots., 75 c.c., less 20% and 20%	bot.	1.50	—
50 c.c., same basis	bot.	1.05	—
25 c.c., same basis	bot.	.65	—
Trichloride (see Trichloroethane).			
Vinylpyridin, ret. dms., works	lb.	1.50	—
Vitamin A (see Oils, codliver, halibut-liver).			
B (see Thiamine hydrochloride).			
B_2 (see Riboflavin).			
B complex, natural (see Rice bran and Yeast).			
Viosterol (irradiated ergosterol), bots., mil., units		.10	.12
in corn oil (see Calciferol).			
Vitamin C (see Acid, ascorbic).			
D (see Oils, codliver, halibut-liver, viosterol).			
D_2 (see Calciferol).			
E (see Alphatocopherol).			
G (see Riboflavin).			
P-F (see Acid, nicotinic, and Nicotinamide).			
Violet, methyl, toner (see M).			
V.M.P. naphtha (see Petroleum naphtha.			

W

Wahoo root bark, bls	lb.	1.25	Nom.
Wattle bark,[1,8] merchantable, bgs., f.a.s.	ton.	67.00	—
fair average, bgs., f.a.s.	ton.	59.50	—
extract,[1] liquid, 35% tannin, bbls., works	lb.	.05¾	.06¼
tanks, works	lb.	.05¼	.05⅝
solid, E. Afr., 61% tannin, ex dock	lb.	.06095	.06345
S. Afr., 62% tannin, ex dock, lb.		.0622	.0647

Wattle extract prices based on $12 freight and $1.00 insurance per long ton.

Wax, amorphous (see Wax, microcrystalline).			
Bayberry, bgs.	lb.	No stocks	
Bees, bleached, USP, white, bricks, cakes, cs.	lb.	.68	.70
slabs, bgs.	lb.	.63	.68
crude, African, bgs.	lb.	.54	.55
Western hemisphere, bgs.	lb.	.58	.60
refined, yellow, bricks, bgs., lb.		.60	.62
slabs, cs.	lb.	.59	.61
Candelilla, crude, bgs.	lb.	.78	.86
refined, bgs.	lb.	.80	.82
Powdered, candelilla, 20 mesh, 5c. per lb. extra, 80 mesh, 5½c.; 100-200 mesh, 6c.			
Carnauba, chalky, No. 3, bgs., ton lots	lb.	1.55	1.60
North Country, No. 2, bgs., ton lots	lb.	1.73	1.75
No. 3, bgs., ton lots	lb.	1.65	1.70
refined, bgs., ton lots	lb.	1.75	1.80
yellow, No. 1, bgs., ton lots, lb.		1.95	2.00
No. 2, bgs., ton lots	lb.	1.93	1.98
Powdered carnauba prices, same differentials as powdered candelilla.			
Ceresin, dom., 132°-136° m.p., bgs.	lb.	.12½	.13½
138°-140° m.p., bgs.	lb.	.15	—
158°-162° m.p., bgs.	lb.	.19	.20
Japan, bgs.	lb.	No stocks	
Microcrystalline, 170°-175° m.p., A.S.T.M., amber, ctns., 30 tons yearly contract, group 3, works	lb.	.14¼	—
smaller lots, same basis. lb.		.14½	.15½
black, ctns., 30 tons, same basis	lb.	.12¾	—
smaller lots, same basis	lb.	.13	.14
white, ctns. 30 tons, same basis	lb.	.24¾	—
smaller lots, same basis. lb.		.25	.26
190°-195° m.p., A.S.T.M., amber, ctns., 30 tons, same basis	lb.	.15¾	—
smaller lots, same basis. lb.		.16½	.17½
black, ctns., 30 tons, same basis	lb.	.14¾	—
smaller ctns., same basis. lb.		.15	.16
white, ctns., 30 tons, same basis	lb.	.28¾	—
smaller lots, same basis. lb.		.29	.30
Montan, bgs.	lb.	.53	.55
Ouricury, crude, bgs., ton lots, lb.		.95	—
refined, bgs., ton lots	lb.	1.03	1.05
Powdered ouricury prices same as powdered candelilla.			
Ozokerite, dom., 180-190 F., c.l. lb.		.26	—
182-184 F., bgs., c.l.	lb.	.31	—
182-183 F., bgs., c.l.	lb.	.31	—
Spermacetti, blocks, cs.	lb.	.28	.31
cakes, cs.	lb.	.29	.32
White lead (see Lead, white).			
White precipitate, powd., dms., 50 lbs. or more	lb.	2.50	—
White pine bark, rossed, bls.	lb.	.17	.19
Whiting, limestone, dry-grd., 325 mesh, bgs., 40 tons, N.E., works	ton.	8.65	10.50
smaller lots, N.E., works. ton.		11.00	17.00
wet-grd., air-floated, 360 mesh, 99½%, bgs., c.l.	ton.	27.50	—
200 mesh, 99%%, bgs., c.l. ton.		No prices	
90%, bgs., c.l.	ton.	No prices	
water-floated, extra gilders, bgs., c.l.	ton.	14.50	23.00
gilders, bgs., c.l.	ton.	No prices	
putty grade, bgs., c.l.	ton.	13.00	22.00
Paris white, bgs., c.l.	ton.	25.00	31.00
l.c.l.	ton.	25.00	29.00
precipitated, bgs., c.l.	ton.	14.00	15.00
l.c.l.	ton.	18.00	20.00
Wild cherry bark, thick, bls.	lb.	.06	.07
thin, natural, bgs.	lb.	.18	.20
rossed, green, bls.	lb.	.24	.26
Wild indigo root, bls.	lb.	.22	.25
Witch-hazel leaves, bls.	lb.	.20	.22
Witherite (see Barium carbonate, natural).			
Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N. Y.	ton.	No prices	
60 mesh, same basis.	ton.	No prices	
80 mesh, same basis.	ton.	No prices	
100 mesh, same basis.	ton.	No prices	
Woodflour, in bags, 25c. each extra, returnable.			
Wormseed, American, bgs.	lb.	.20	.27
Levant, bgs.	lb.	4.25	4.30
Wormwood, bls.	lb.	.50	.60

X

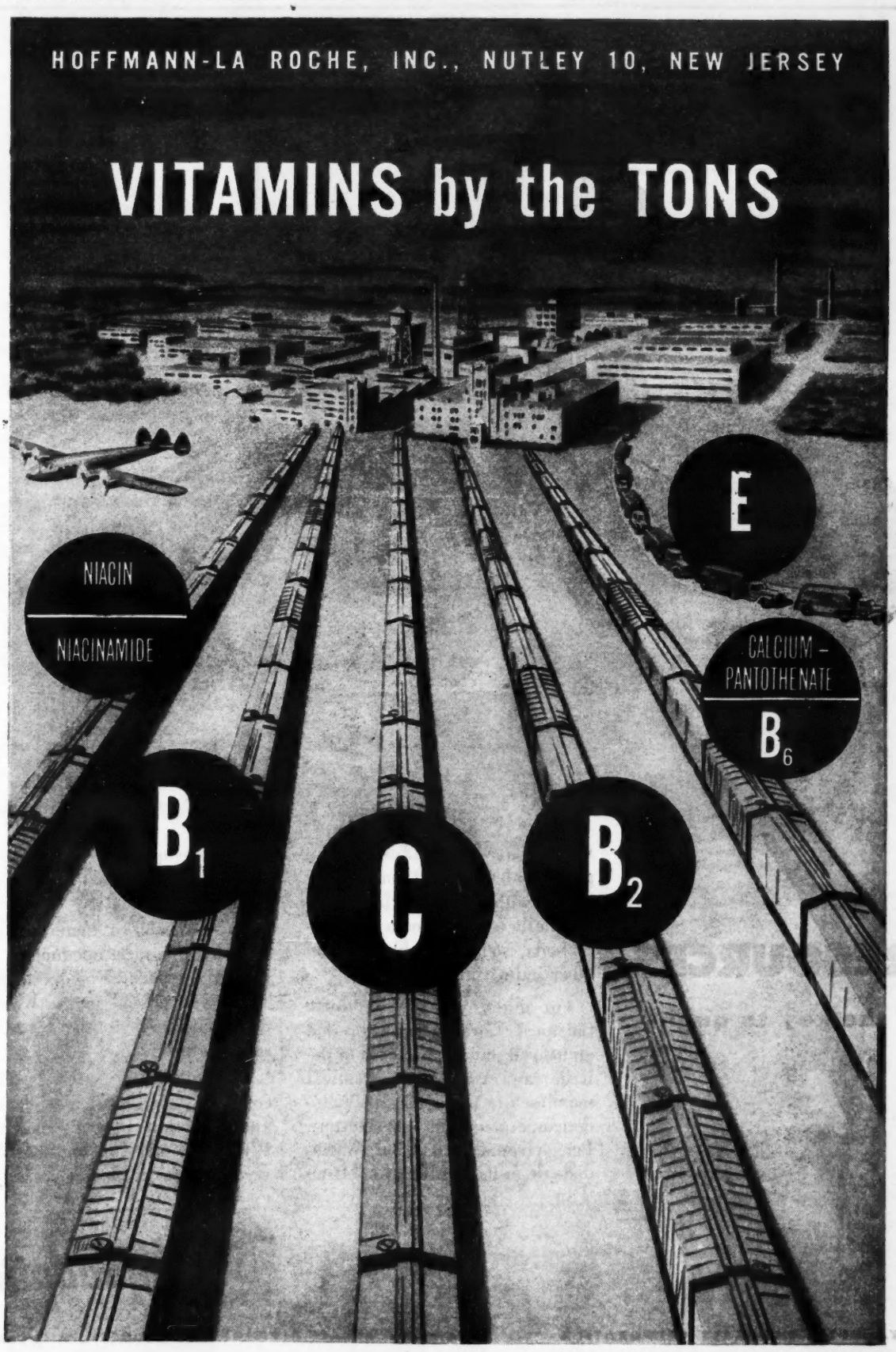
Xanthorrhiza, bls.	lb.	.28	.30
Xylidin, mixed, dms.	lb.	.35	.36
Xylene (see Xylol).			
Xylol (xylene), indust., ret. dms., works	gal.	.27	—
tanks, E. of Omaha, frt. alld.	gal.	.22	—
West Minnequa, Colo.	gal.	.22	—
10°, ret. dms., works	gal.	.30	—
tanks, E. of Omaha, frt. alld.	gal.	.25	—
5°, ret. dms., works	gal.	.31	—
tanks, E. of Omaha, frt. alld.	gal.	.32	—
3°, ret. dms., works	gal.	.42	—
tanks, E. of Omaha, frt. alld.	gal.	.37	—

Y

Yara yara, cryst., bots., cns.	lb.	1.75	1.90
Yeast, brewer's dry, 50 B units, dms.	lb.	.35	—
90 B units, dms.	lb.	.45	—
200 B units, dms.	lb.	.50	—
300 B units, dms.	lb.	.60	—
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul.	lb.	.32	—
Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below.			
Benzidin, bbls., dlvd.	lb.	1.45	—
Yellow, cadmium, lithopone, all shades, bbls., frt. alld. E. of Rockies	lb.	.55	.60
Los Angeles and San Francisco, ex whse., 1c. per lb. higher.			
Chrome, CP, bbls., dlvd. N. Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts. lb.		.18¾	—
Chrome, CP, bbls., dlvd. Ala., Fla., Ga., La. (Shreveport), 1¼c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex., 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.			
Dutch, pink, bbls.	lb.	.09	.11
Hansa, bbls., same basis as chrome.	lb.	1.48	—
primrose, bbls., same basis.	lb.	1.90	—
Iron oxide, nat., bbls., c.l., Bethlehem, Easton, Pa. lb.		.04¼	—
l.c.l., same basis	lb.	.05	—
synthetic, bbls., c.l., works. lb.		.0635	—
l.c.l., works	lb.	.0710	—
Mercury oxide, bbls., 1,000 lbs. lb.		2.43	—
smaller lots	lb.	2.45	—
Ocher, American, golden, bbls., works	lb.	.04½	.06¼
yellow, bbls., works	lb.	.02	.02¼
French type, bbls., c.l.	lb.	.0845	—
l.c.l.	lb.	.0865	—
Persian orange (see O).			
Zinc, bbls., same basis as chrome	lb.	.17½	—
Yellow, zinc, Navy spec. type, bbls., contract	lb.	.16	—
Yellow dock root, bls.	lb.	.33	.40
Yellow xanthorrhiza (see Xanthorrhiza).			
Yerba santa leaves, bls.	lb.	.30	.32
Yohimbine hydrochloride, vis.	oz.	3.25	4.00

Z

Zein, bgs., 1,000 lbs., works	lb.	.25	—
smaller lots, bgs.	lb.	.30	—
Zinc acetate, tech., bbls., dlvd.	lb.	.18	—
USP, bbls.	lb.	.26	.27
kgs.	lb.	.29	—
Arsenite,[1] bgs., c.l., frt. alld. E. of Rockies	lb.	.11¾	.12¾
l.c.l., same basis	lb.	.12½	.13½
Borate, bgs., c.l.	lb.	.12	—
Carbonate, tech., rubber-makers' grade, bbls., works	lb.	.09¾	.10¾
USP, precip., powd., bbls.	lb.	.35	—
dms.	lb.	.40	—
kgs.	lb.	.37	—
Chloride, tech., fused, dms., c.l., works. 100 lbs.		5.00	—
l.c.l., works 100 lbs.		5.35	—
gran., dms., c.l., works 100 lbs.		5.75	—
l.c.l., works 100 lbs.		6.50	—
solution, 50%, dms., c.l., works	lb.	.0315	—
l.c.l., works	lb.	.04¼	.04½
tanks, works	lb.	.0250	—
USP, dms.	lb.	.30	.31
jars	lb.	.35	.36
Chromate (see Yellow, zinc).			
Cyanide, kgs., works	lb.	.33	.37
Dust,[6] bbls., c.l., dlvd.	lb.	.1035	—
l.c.l., works	lb.	.1135	—



Zinc fluoride, bbls., works	lb.	.18 - .19
Hydrosulphite, dms., works	lb.	.16 - —
Iodide, NF, bots	lb.	4.68 - 4.75
jars	lb.	4.40 - —
Laurate, bbls	lb.	.32 - .38
Metal[1] (quotations in Protective Coatings market).		
Naphthenates, 8%-10% Zn, dms.,	lb.	.17¾- .21½
Oxide, pigment, dom., acicular, bgs., c.l., dlvd.	lb.	.08 - —
l.c.l., dlvd.	lb.	.08¼- —
American process, com'l, lead-free, bgs., c.l., dlvd.	lb.	.08 - —
l.c.l., dlvd.	lb.	.08¼- —
leaded, 5%, bgs., c.l., dlvd.	lb.	.08 - —
l.c.l., dlvd.	lb.	.08¼- —
35% or more, bgs., c.l., dlvd.	lb.	.08 - —
l.c.l., dlvd.	lb.	.08¼- —
50%, bgs., c.l., dlvd.	lb.	08 - —
l.c.l.	lb.	.08¼- —
French process, com'l, lead-free, bgs., c.l., dlvd.	lb.	No prices
l.c.l., dlvd.	lb.	No prices
green seal, bgs., c.l., dlvd.	lb.	.09¼- —
l.c.l., dlvd.	lb.	.10 - —
white seal, bgs., c.l., dlvd.	lb.	.10¼- —
l.c.l., dlvd.	lb.	.10½- —
red seal, bgs., c.l., dlvd.	lb.	.09¼- —
l.c.l.	lb.	.09½- —
USP, ctns., c.l.	lb.	.11¼- —
l.c.l.	lb.	.11½- —

Zinc oxide Pac. Coast prices ½c. higher; bbl. prices ¼c. higher than bgs.

Resinate, fused, 1% Zn, lump,	lb.	.13 - .19
Zinc resinate, precipitated, 8.40% to 9% Zn, pewd., dms.	lb.	.13 - —
Silicofluoride, bbls.	lb.	.15 - .16
Stearate, tech., ctns., 2,000 lbs. to c.l.	lb.	.33 - —
smaller lots, same basis.	lb.	.34½- —
USP (same prices as tech.).		
Sulphate, cryst., bgs., c.l., works, frt. alld.	100 lbs.	3.40 - —
l.c.l., same basis	100 lbs.	4.15 - —
flake, bgs., c.l., same basis.	100 lbs.	3.80 - —
l.c.l., same basis	100 lbs.	4.55 - —
powd., bgs., c.l., same basis.	100 lbs.	5.35 - —
l.c.l., same basis	100 lbs.	6.10 - —

Zinc sulphate, in bbls., 25c. higher.

Sulphide,[1] pure, bgs., c.l., dlvd.	lb.	.0840- —
l.c.l., dlvd.	lb.	.0865- —
Barium pigment,[1] bgs., c.l., dlvd.	lb.	.0575- —
l.c.l., dlvd.	lb.	.06 - —
Calcium pigment,[1] bgs., c.l., dlvd.	lb.	.0575- —
l.c.l., dlvd.	lb.	.0600- —
Fluorescent pigment,[1] works, frt. alld.	lb.	1.00 - 3.00
Magnesium pigment,[1] bgs., c.l., dlvd.	lb.	.0590- —
l.c.l., dlvd.	lb.	.0615- —

Zinc sulphide and pigments, Pac. coast prices ¼c. higher; bbl. prices ¼c. higher than bgs.

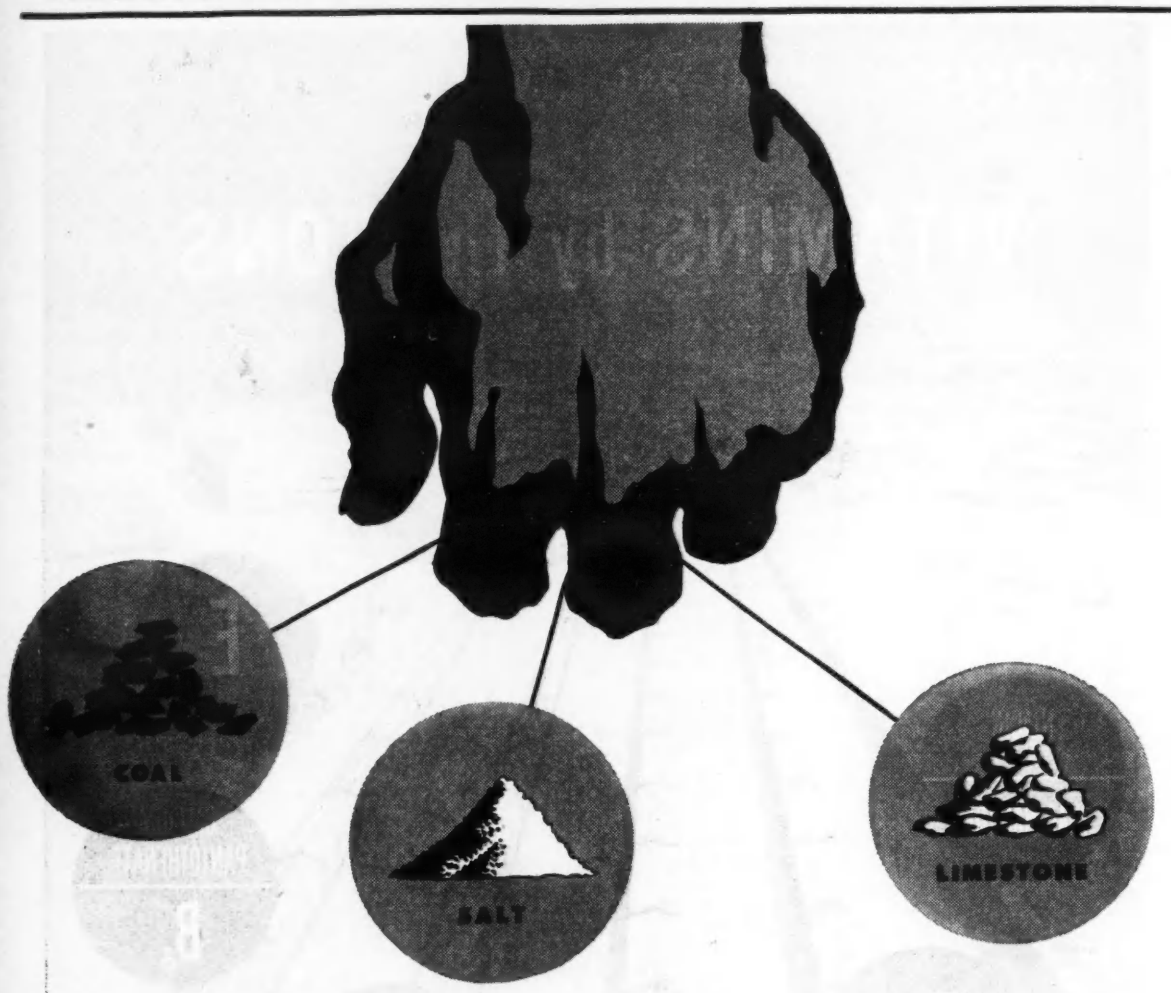
Sulphocarbolate, NF, gran., bbls., dms.	lb.	.26 - .30
Sulphoxylate formaldehyde, basic, dms., works, frt. alld.	lb.	.17 - —
normal, dms., works, frt. alld.	lb.	.35 - —
Tallate, 5% Zn, dms	lb.	.09¾- —

Yellow (see Yellow, zinc).

Zinc-ammonia chloride, dms., c.l., works	100 lbs.	5.5 - —
l.c.l., works	100 lbs.	6.70 - —
Zinc-cadmium sulphide, fluorescent, cns., works, frt. alld.	lb.	2.00 - 2.80
Zinc-iron oxide pigment, bgs., c.l., dlvd.	lb.	.06¾- —
l.c.l., dlvd. E. of Rockies.	lb.	.07 - —
Pac. cst.	lb.	.07¼- —
ex whse., Pac. cst.	lb.	.07¾- —
Zirconium acetate, solut., bbls., works	lb.	.25½- —
Hydride, cns., works	lb.	7.00 - 8.00
Nitrate, bgs., works	lb.	3.00 - 4.00
Oxide, 88%, grd., bbls., c.l., works	lb.	.22½- —
l.c.l.	lb.	.22¾- —
white, 98½%-99%, grd., kgs., works	lb.	.80 - —
milled, electric, fused, 2,000-9,999 lbs., works.	lb.	.46 - —
500 lbs. and less, same basis	lb.	.46½- .49
Oxychloride, cryst., bbls., 5 tons, works	lb.	.29½- —
Sulphate, basic, cake, bbls., c.l., works	lb.	.18 - —
l.c.l., works	lb.	.18½- .20
smaller lots, works	lb.	.30 - .31½

Synthetic Resins

The customary monthly listing of prices for synthetic resins and other oranded paint materials was printed in the Oct. 7 issue of OPD.



RESOURCES

the key to quality

• In your own industry you probably have found that quality begins with raw materials. This is equally true in producing caustic soda, soda ash, chlorine and other industrial chemicals.

For many years Wyandotte Chemicals Corporation has relied on its own sources for three of the basic raw materials in chemical manufacture. Coal from Wyandotte-operated mines in Western Pennsylvania, salt from Wyandotte deposits and limestone from Wyandotte quarries are all funneled into the vast plants at Wyandotte, Michigan.

This control of materials, *at the source*, assures adequate supplies and efficiency of operation. These are passed on to Wyandotte customers in the form of superior products.

Controlled raw materials, like controlled methods, have played an important part in making Wyandotte *one of the world's great producers of chemicals.*

Wyandotte
REG. U. S. PAT. OFF.

WYANDOTTE CHEMICALS CORPORATION • MICHIGAN ALKALI DIVISION, WYANDOTTE, MICHIGAN

Bergmann Lecturing At Bklyn. Polytechnic

Great Britain's postwar chemical industry will benefit from an important development in the production of aromatic hydrocarbons from petroleum, a project begun before the war at the Daniel Sieff Research Institute in Rehovoth, Palestine, Dr. Ernest Bergmann, scientific director of the institute, revealed last week prior to delivering the first of a series of three lectures at the Polytechnic Institute of Brooklyn. These lectures will be the only public appearances he will make during his stay here, which is his first peacetime visit to the United States.

Plans now being carried out to establish further scientific research institutions in Palestine also were discussed by Dr. Bergmann, who assisted Dr. Chaim Weizmann, world Zionist leader and famous scientist, in his work in England during the war. Dr. Weizmann worked on war-connected research problems as honorary adviser to the British Ministry of Supply. One of the projects was the production of aromatics.

Dr. Bergmann has delivered the first of his three lectures, and the other two will be given on November 2 and 9 at 11 a. m. in Lecture Room 40 at the Polytechnic Institute, 99 Livingston Street. The lectures will cover the preparation, properties, reactions and uses of acetylene and its derivatives. Dr. Bergmann's own experiments in this field were carried out with Dr. Weizmann in England in connection with their war work.

One of the most versatile substances known, the scientist declared, acetylene can be converted into practically every types of chemical product. Almost all raw materials for synthetic fibers, plastics and synthetic rubber can be produced from it easily and cheaply. One interesting use for acetylene, Dr. Bergmann declared, was the preparation of synthetic blood plasma given to the soldiers on the battlefield.

Humble Oil Provides Scientific Instruction

With the purpose of keeping its technical personnel progressively informed in science and engineering developments the Humble Oil & Refinery Company has inaugurated a program of lecture at its refinery in Baytown, Texas. In addition it has arranged graduate-level courses in physical and organic chemistry and chemical engineering to be given by teachers of science from nearby educational institutions. Attendance at the courses will be a part of the regular duties of those selected for them.

The lecture program for 1946-47 includes the following topics:—

High Polymers, C. C. Price, University of Notre Dame.

Special Topics in Hydrocarbon Chemistry, D. R. C. Fuson, University of Illinois.

Spectra as related to Structure and Thermodynamic Properties of Molecules, K. S. Pitzer, University of California.

Transference of Processes from Small to Large Scale, E. R. Gilliland, Massachusetts Institute of Technology.

Alkylation and Polymerization On Refinery Earnings Studied

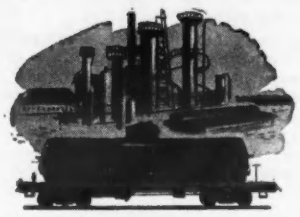
The economic relationship of alkylation and polymerization and their effect on refinery earnings in the present day market, is the subject of a detailed study in the current issue of the KELLOGGRAM, published by the M. W. Kellogg Company, petroleum engineers of Jersey City, N. J. and New York. These two methods for processing light petroleum gases into additional gasoline were notably successful during the war in increasing the supply of aviation gasoline through their production of higher than 90 ASTM octane gasoline.

Trade Briefs

Oil Research Development Corporation has been formed in New York.

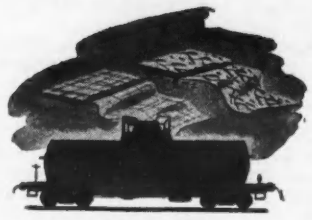
Atomic Producing & Refining Company, with a capital of $50,000, has been organized in Albany, Ky., for the operation of a petroleum refinery.

Gulf Oil Corporation has named S. A. Newman chief turbine lubrication engineer. Mr. Newman, recently released from the Navy, will direct company activities in that field in thirty states.



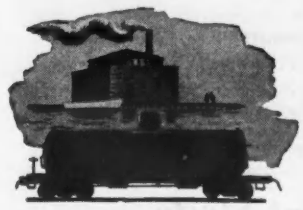
ALCOHOL

Clean, steel car, 6,000 to 10,000 gallon capacity.



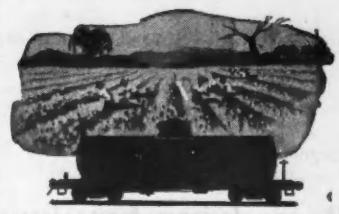
CAUSTIC SODA

Heavily insulated steel car, with or without heater coils, 8,000 or 10,000 gallon capacity. Usually specially lined.



CHLORINE

Insulated, welded car; built to withstand pressure up to 500 pounds; 15 or 30 ton capacity.

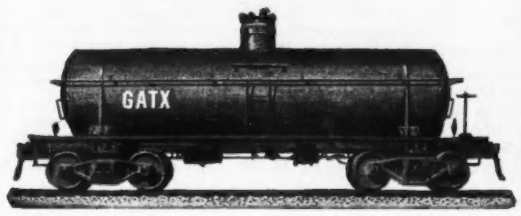


COTTONSEED OIL

Clean, steam coiled car of 8,000 gallon capacity.

FOR RENT

TANK CARS



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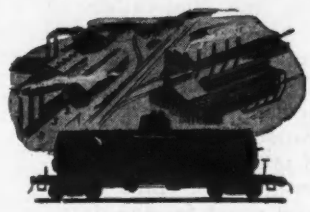
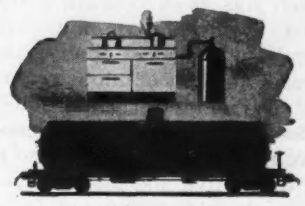


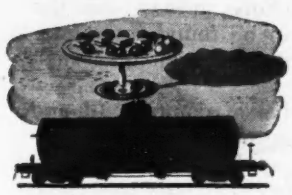
FUEL OIL

Steel car, steam coiled, 8,000 to 12,500 gallon capacity.



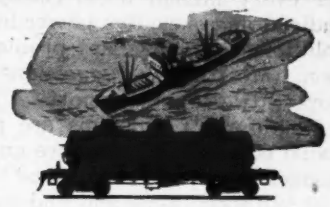
PROPANE

Heavily constructed car, welded and insulated. Built to withstand internal pressures to 300 pounds. Capacity 10,000 to 11,000 gallons.



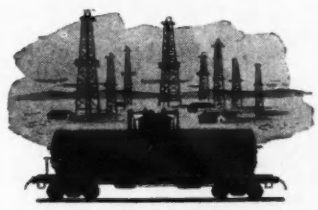
CORN SYRUP UNMIXED

Clean, steam coiled with heavy truck capacity. Usually lined with aluminum paint.



LUBRICATING OIL

Steel car, with steam coils, single or multiple compartment; usually 8,000 gallon capacity.

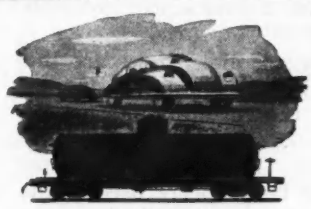


MURIATIC ACID

Car lined with pure or synthetic rubber; 8,000 to 10,000 gallon capacity.

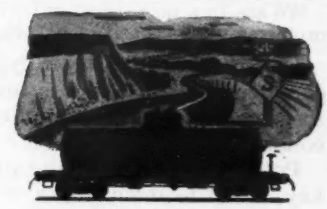
ACETIC ACID

Aluminum Car, 8,000 or 10,000 gallon capacity.



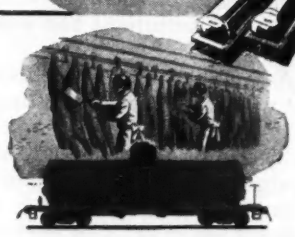
GASOLINE

Clean car, 6,000 to 12,500 gallons; single or multiple compartment.



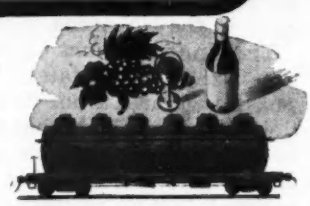
ASPHALT OR TAR

Heavily steam coiled car; with 2 or more inches of insulation; steam jacketed outlet; 8,000 to 10,000 gallon capacity.



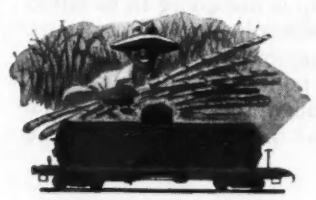
LARD

Clean steam coiled car, usually of 8,000 gallon capacity.



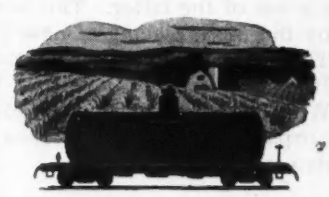
WINE

Insulated car with one to six compartments. Interior coated to preserve quality.



MOLASSES

Steam coiled car with heavy capacity trucks; 8,000 gallon capacity.



SULPHURIC ACID

Heavily constructed steel car with heavy truck capacity. Equipped to unload through dome.

OPD—10-28-1946 36

Oil, Paint and Drug Reporter

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Volume 150 October 28, 1946 Number 18

Remedying Employment Strife

The nation is faced closely with the threat of another strike of the miners of soft coal. If it eventuates, that cessation of work will be a strike against the Federal government, which has been operating the mines since the failure of other applicable methods to settle the strike of several months ago against their private owners. That possibility presents a most ominous picture. If it develops, it will present also a most serious problem in democratic processes.

Because the judicial processes available for the purpose have not proved equal to the task of preventing or remedying disruptive and destructive concomitants of employment strife, there is a demand for a special court for the determination of the issues involved. Under existing applicable Federal laws, the futility of such a method is obvious. Naturally, in the present-day tendency to turn to government for every human need, recognition of the inadequacy of judicial and executive power leads to hope, at least, that the solution of employment problems can be found in legislation. Most of the suggestions in that direction give such hopes little, if any, support.

Employment problems are problems of commercial and social economics. They are only a football in political economics. They must be solved by the application of commercial and social sense and understanding. The only thing that legislation can do is remove the handicaps which have been laid upon the free and fair application of those remedial methods by ill-considered, inequitably constructed laws. To attempt statutory prohibitions cannot do anything but make matters worse.

Make Use of the Key

The mess and the muss and the muddle which stand for and in the place of economic sanity and vigor today tax human ability even for their understanding, to say nothing of their remedying. Here is an economic commentator declaring:—

> It is in the political field that we must get our answer; because political decisions are at the root of our economic problems.

In another column, one of the nation's biggest industrialists has this to say:—

> We are in a mess because we attempt to solve strictly economic problems on the basis of a political formula.

Both are right. Carefully analyzed, their views are but complemental. Politics is responsible for the mess. Therefore, politics must be applied to the restoration of sound conditions.

Politics is the key to the situation. Because it is a master key, fitted to many locks, it must be properly used if the door to equitable opportunity is to be opened. And, so, the fault lies with those who have not seen to it that the key was properly used as much as it must be laid upon those who have brought about the opening of other doors.

The task of the former has been made most difficult by the success of the latter. The handicap is not going to be lifted by the mere placing of new politicians in the key positions. The pattern of political purpose has become very intricate. It is also expediently shifty. But, politics is still only a key. What it opens depends wholly upon the broad economic purpose with which it is used. And it is not politicians who determine that purpose.

Patterns for Peacemaking

Now that the United Nations General Assembly has finally got around to almost definite consideration of the world problems for whose solution it is theoretically, at least, designed, it is interesting to look upon the prevailing concepts of just what is the construction and definition of its primary objective—world peace. All sorts of comment goes on and on about the "anatomy" of peace. All too little consideration appears to be given to the "biology" of peace as a whole.

Anatomy is a matter of construction. It is, of course, desirable and essential that the plans and the scheme of world peace be properly constructed. It is no less important to consider the physiology of peace, that is, how it works. And of greatest importance is its psychology. That is the stone which has "upset the applecart" on many occasion during the preliminary skirmishing of ambitions and ideologies in the UN arena.

The United Nations General Assembly is now in deliberation in the United States. What will it get from its setting—as differentiated from its sitting—contributory to the solution of the problems that have been hung all over it? Out of the climaxing political campaigns, for instance, will it be able to get conviction that the anatomy of democracy is not maimed; that its physiology is free from organic or systemic ailment; that its psychology is clear in purpose and sound in process? What is the evident value of the peace now existing in this country when appraised with criterions of commercial, political, and social economy?

It is the responsibility of government to provide the consideration and determination of world problems with an atmosphere contributory to the best possible outcome. This responsibility is shared fully by the ownership, management, and labor elements of private enterprise; for they, too, are on trial. Their leadership must make good.

OPD Forum

Outlet for Individual Opinion

(Anonymous communications will not be recognized, but a signer's name will be withheld at request.)

Lead Miners' Strike

The Editor,
OIL, PAINT AND DRUG REPORTER:
Sir:—

Here is a statement we are releasing to the press for immediate publication, regarding the walkout at our mines in southeast Missouri. Thought you would like to have it.

A walkout of all C.I.O.-International Mine, Mill and Smelter Workers Union men employed by the St. Joseph Lead Company at their Southeast Missouri mines and mills shutdown all mining operations, October 23. The walkout started October 22, at one of the four mining divisions of the company, namely, the Leadwood mine employing 675 men. The other three mining divisions joined the walkout this morning, as did also the men at Mine La Motte, bringing the total idle to 3,400 men.

A discharge case involving one single underground employee lead to the walkout. On October 10 this man refused to obey instructions of his foreman involving a simple routine operation. In a case of obvious insubordination the foreman submitted the case to the grievance committee for consideration of discharge. Thorough hearings were held during the week of October 14. All witnesses were heard and the union stewards directly involved in the Leadwood mine agreed that discharge of the man was fully justified. On October 18 the grievance committee gave their unanimous decision that the man should be discharged.

The C.I.O. district representative and the executive committee of the union protested this decision to the general manager of all the company's Missouri operations, asking for a meeting. At this meeting held October 21, the management offered to submit the case for review to an impartial arbiter and agreed to abide by the arbiter's decision.

The union district head and committee refused arbitration and the meeting adjourned without arriving at any other solution. The following morning without warning Leadwood walked out, to be followed by complete shutdown of mining operations October 23.

The St. Joseph Lead Company is deeply conscious of the damage to the economy in general, and the lead consuming industry in particular, of the resultant loss of production from its mines, which have been supplying one-third of all mined lead in the United States. Until October 23, no interruption of operations due to labor disputes have occurred in any divisions of the company during or since the war. The issue is clearly a question of maintaining efficient mining operations, and on the right answer to this question depends not only the well-being of the company but of the labor force itself.

St. Louis. ST. JOSEPH LEAD CO.

Washington Talks It Over

—Continued from page 5

trouble. After taking a second look, the council feels it is being put too much on a spot, and is beginning to fall apart.

First disclosure that the council had cooled off on the proposition of helping Mr. Littlejohn on this problem came when the representative of the Interior department quietly resigned. The Federal Power Commission decided it shouldn't be more than an observer since the only interest it will have in the lines is in case they are used for natural gas, while the Justice department declined to appoint any representative at all, because it might have to pass on the antitrust phases of the sale or lease at a later date.

WAA officials have nothing to say about the state of affairs that have developed around the council, but last week it revamped its Real Property Disposal Board to give it an independent status, and turned the pipeline problem over to it for handling.

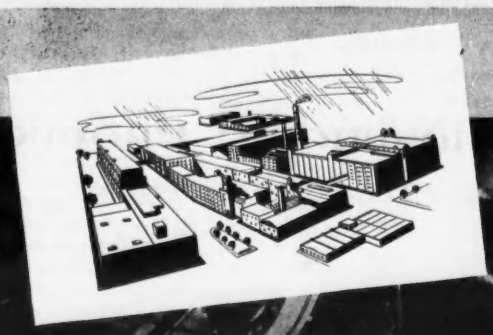
Atomic Power Far Off

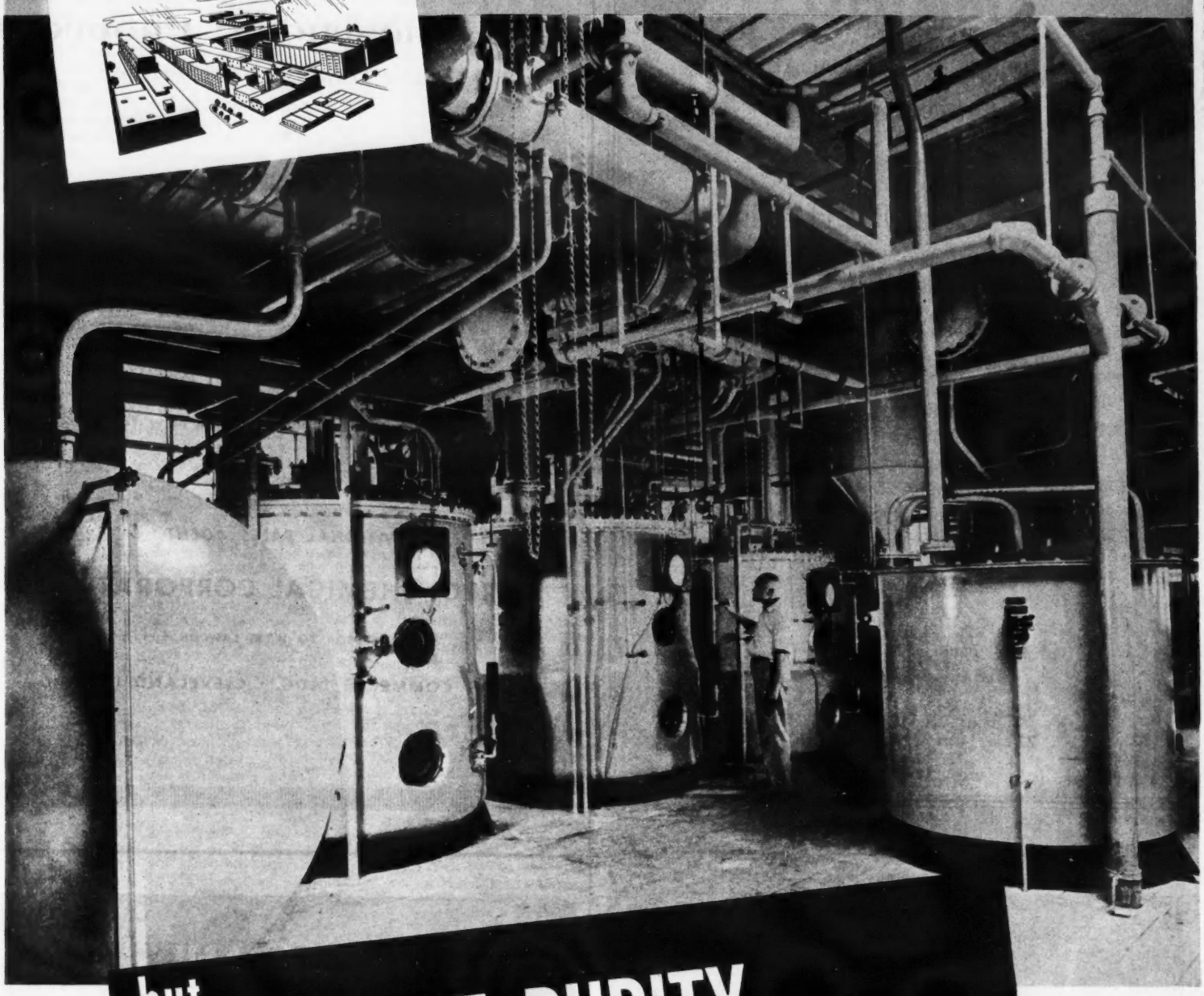
Public utility engineers have cooled off considerably on the probabilities of atomic power supplanting familiar fuels for the generation of electricity. They say it is not in the foreseeable future despite all that has been said since the recent publication of the Thomas report to Bernard Baruch. The Thomas report indicated that uranium power might be brought into competitive range by the rising cost of coal and oil.

But utility technicians believe the Thomas report was somewhat generous with respect to possible costs. It estimated $25,000,000 as the cost of an atomic power plant as against $10,000,000 for a steam installation, but based it on the assumption that the plant would operate at 100 percent of capacity and that the interest charges on the investment would be 3 percent. Utility engineers say these assumptions are unsound because no hydro or steam plant is operated at 100 percent of capacity and 3 percent money is unavailable except to the government.

Even so, the change in the generation source would not greatly affect the price to domestic consumers, for less than half a cent of urban retail kilowatt cost of electricity goes for fuel. Fixed charges, administration costs and other items—the principal expenditures of a public utility—would remain.

plant facilities count . . .





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Heavy Chemicals

Heavy chemicals commanding active buying interest remained short in the closing stages of the month with the major part of shipments confined to consumers who hold contract accounts. The continuance of tight buying conditions may be attributed to the maintenance of heavy consuming demand and the effects of strikes at supply sources and transportation points resulting in shipping and trucking tieups and freight embargoes. The tight position of soda ash has not been relieved. Members of the soda ash advisory committee have made a careful review of the estimated requirements for the aluminum reconversion programs for 1947. Officials of OPA stated that under a voluntary distribution plan the industry would make every effort to distribute the supply equitably, and would increase its present rate of deliveries of soda ash to aluminum producers by 45,000 tons a year, or approximately one per cent of total estimated production. In accepting industry's offer of voluntary cooperation, it was stated that CPA was considering the issuance of a direction to PR-28 limiting priority assistance in obtaining soda ash to emergency cases or for use in stepping up production of materials designated by CPA as critical.

According to reports, several producers of caustic soda are withdrawing from areas that are considered uneconomical to serve. Complaints have been heard that in some instances 1947 contracts are being refused to established customers. Chlorine appeared as tight at the close as at the beginning of the month. Producers of carbon tetrachloride are not eager to go beyond the limit of regular consumers. Chlorate of potash has been thrown out of balance by the renewal of heavy buying. It was stated that tthe restoration of capacity at the match plants after the recent strike prompted the increased demand. Copper refiners have a free market in bone ash as the price control has been lifted. A sharp advance was recorded in copper hydrate. Stringency in acetic acid has affected production of the acetate chemicals. The market is practically bare of cadmium metal.

OPA has announced that sales and deliveries of several metals and minerals when sold by the Reconstruction Finance Corporation or its subsidiaries for export have been exempted from price control. The commodities are exempted only when sold by the RFC for export beginning October 24. The list includes antimony metal and oxide, asbestos, copper, corundum, lead, manganese ore, nickel, quartz crystals and zinc.

Paper production as a percentage of six-day capacity was 105.1 in the week ending October 18, according to the American Paper and Pulp Association. This compares with 105.9 the previous week and 96.5 percent a year ago.

Ammonia Bicarbonate—Stocks of this material appear to be sufficient to meet demand, but the movement in the New York city area has been tied up most of the month on account of the truckmen's strike. Suppliers were not able to bring material in or ship it out. Bakeries in this vicinity, who are the largest consumers, were placed in a rather difficult position.

Antimony Oxide—Allocations appear to have been a little freer according to trade reports. Shipments have gone forward promptly and without any unusual difficulty.

Cadmium—Market supply position has remained exceedingly tight. Suppliers say they are not getting the metal stocks from zinc and lead smelters where production appears to have been cutback by labor difficulties.

Calcium Chloride—Remained heavily sold ahead and shipments behind schedule. Current demand is being fed from production as there are no reserve inventories.

Market Trends

Prices Advanced

Copper hydrate, 4¼c. per lb.

Prices Reduced

None

Comparative Price Indexes

General Chemicals

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
172.2	172.2	172.2	168.9

Acids

Last week.	Prev. week.	Last month.	Last year.
116.0	116.0	116.0	116.0

(For Current Prices see Page 9)

Carbon Tetrachloride—Stocks are short. According to some of the major producers, material is moving against contract accounts, but new business is not being considered at present. Container shortage is a problem.

Chlorine—Buying conditions have shown no signs of easement. Demand for industrial requirements has kept ahead of production and the market situation is definitely tight with shipments experiencing delays from container shortage.

Cobalt Chemicals—Supplies of most varieties have been maintained at a level to meet the paint and other consuming requirements. Cobalt acetate production has been affected of late by the difficulty in securing sufficient quantities of acetic acid and shipments are somewhat behind schedule.

Chrome Ore—During 1945 there were shipments from California mines of 9,628 long tons of chromite averaging 45.73 percent Cr_2O_3, which, recalculated to a basis of 45 percent Cr_2O_3, equals 9,784 long tons. This was worth $431,445 f.o.b. mine, and came from 30 properties in 10 counties; compared with 28,811 long tons of ore shipped in 1944 averaging 43.58 percent Cr_2O_3, which recalculated to a basis of 45 percent Cr_2O_3, equals 27,900 long tons, worth $1,190,513.

Copper Hydrate—Increased producing costs were primarily responsible for higher prices for this chemical. The best price heard was 21¾c. a pound for carlots and 22¼c. a pound for smaller quantities works, freight equalized.

Epsom Salt Technical—Market is net in free supply, although deliveries are going forward with delays of not more than two weeks. Demand was active with prices maintaining a firm tone.

Manganese Ore—Shipments of manganese ore from California during 1945 came from 12 properties in ten counties and amounted to a total of 1,621 long tons of an average grade of 52.05 percent Mn, which, when recalculated to basis of 45 percent Mn, would equal 1,875 long tons with a value of $86,270.

Nickel Sulphate—Market situation has shown moderate improvement. Some material was reported available for prompt shipment and a gradual increase in production was noted at one of the major plants.

Potash Carbonate—Supply position continued tight particularly for the calcined grade. Aside from the regular industrial movement, demand for this grade has been steadily increasing for use in tobacco cultivation in New England.

Potash Caustic—Shortage of the dry forms has restricted trading. Short shipments against contract accounts are about the best that can be noted. Liquid material was tight, also, although the shortage did not appear to be quite as pronounced as in the dry varieties.

Potash Chlorate—Tighter supply conditions have featured this market. Settlement of strikes at match factories has brought about a renewal of buying and demand has gained considerably over output. Shipments are behind schedule and the market situation seemed to be getting worse at the close of the week.

Potash Perchlorate—Enough orders have been placed in this material to tax production over the balance of the year. Producers are not inclined to take on more business at present.

Salt Cake—Production of commer-

For Late Market Developments, See Page 4

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PITTSBURGH PLATE GLASS COMPANY
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cial crude in August was placed at 43,779 tons by the Bureau of the Census. July output was 42,945 tons.

Soda Ash—Heavy industrial demand has continued to overtax production and the market has not relaxed from the tight position formerly noted. By agreement with the soda ash industry advisory committee the voluntary plan of distribution of soda ash which worked so successfully during the war years has been reinstituted, the CPA announced, and the needs of all of the soda ash consuming industries, including the aluminum industry, will be taken care of on an equitable basis. The committee estimated that the present production of soda ash is 15 percent below the requirements of essential users and saw no immediate probability of an increase in production next year which would overtake demand.

Soda Bicarbonate—Demand has continued to exceed the supply limit and the market has not relaxed from its former tight position. The difficulty in securing sufficient soda ash is primarily responsible for the shortage prevalent. Some sizable lots of surplus baking soda have been disposed of readily by the government at 2c. a pound in cases, packed in cans and cartons at various points throughout the country.

Soda, Caustic—All varieties of caustic soda have continued in a definitely tight supply condition with the dry forms shorter than the liquid. Deliveries have remained behind schedule, although all the material possible has been shipped to meet scheduled requirements. It is stated that some suppliers are refusing to accept 1947 orders from established customers. Several producers have also stated they were withdrawing from areas which it was uneconomic for them to serve. Some of the consumers unable to contract for 1947 supplies are textile mills, particularly in the Southeast section of the United States.

Soda Chlorate—Shipments are running close to schedule for this chemical. Production has been keyed to meet the heavy demand for weed-killing and industrial uses and the market has shown a satisfactory degree of balance during the week.

Soda Phosphate—Bureau of the Census gives August production at 1,218 tons of monobasic, against 952 tons in July. Output of meta phosphate registered 2,373 tons in August, compared with 2,284 tons in the preceding month. Production of tetra was 4,778 tons in August, against 3,802 tons in July.

Soda Sulphide—Production has not been sufficient to even off demand although it was reported that output has improved compared with a month ago. Consuming inquiry was reported active both for home and export requirements.

Thallium Sulphate—Sales are reported at $12.50 a pound the former ceiling price. It is stated that this material is experiencing some competition from other chemicals although the competition has not been severe owing to the difficulty in finding suitable antidotes. The markets prospects are rather confused at present with a possible leaning toward lower rather than higher prices.

Tin—Jobbers and distributors of pig tin acquired from the Office of Metals Reserve for export have been granted increases in their percentage markups to reflect the markups prevailing on March 31, 1946, by amendment 4 to MPR 17 issued by the OPA and effective October 26. The action became necessary because of the increased price now charged by metals reserve for such tin to jobbers and distributors. The new markups are 1.7 percent of the acquisition cost on sales of 2,240 to 11,199 pounds; 2/6 percent on 1,000 to 2,239 pounds; 4.3 percent on 500 to 999 pounds, and 5.2 percent on sales under 500 pounds.

Tungsten Ore—During 1945 shipments made in California on high-grade tungsten ore and concentrates as reported to the Division of Mines by producers, amounted to a total of 71,511 units of WO_3 or an equivalent of 1,192 net tons of 60 percent WO_3 concentrates, and valued at $1,587,951.

Zinc Sulphate—In our previous report, it was stated that zinc sulphate had been relieved of price control. OPA has advised us this is not correct as the decontrol extends only to its use as an agricultural insecticide, fungicide, etc., and labeled and packaged as such, as set forth in amendment 58 to SO-132.

Acids

Acetic—Position has tightened appreciably with shipments in most instances considerably behind schedule. Delayed deliveries have affected the production of cobalt acetate, copper acetate and other acetate chemicals. The glacial variety was reported exceedingly scarce at present with demand active.

Chromic—Supply conditions were reported tight with producers moving all the material possible to domestic platers. Stocks are too short to give export trade much consideration at present.

Hydrofluosilicic—Stock situation favorable to meet demand of breweries and chrome platers, although difficulty in securing containers has delayed shipments both for home and export requirements.

Oxalic—This acid is being shipped to regular consumers who have contract accounts but there appears to be no movement in other directions. Inquiry has continued exceedingly active for miscellaneous requirements but the supply situation has placed a restriction on new business.

Sulphuric—Buying conditions have remained tight with demand active. Shipments have been somewhat delayed in reaching consumers and production has been under pressure. At Baltimore, the market is reported in balance which is better than can be noted in some other sections. The tone of the general market is firm and without price change.

Baltimore, Oct. 25.—There have been no new developments in the shifting government set-ups in the way of control and regulation as far as the manufacture of sulphuric acid is concerned, with production about as before. There is a ceiling upon business, to be sure, but differences in quotations are allowed for costs depending upon location, sources of supply of raw materials, and other conditions. The output is maintained at a level large enough to take care of government requirements and to meet the needs of consuming industries. The supply of raw materials appears to be quite adequate.

Joliet Chemicals Interest Purchased by Nash

Assets of Joliet Chemical Ltd., and controlling interest in Joliet Industrials, Inc., have been purchased by Kenneth F. Nash, managing partner of the former firm, and president of the latter. Mr. Nash will combine the two organizations into a new corporation, Joliet Chemicals, Inc., which will engage chiefly in the manufacture of inorganic silicates for which it has back orders exceeding $1,000,000. Products will be marketed under the trade name 'Jay Cee.'

Buckley Heads Merchandise Sales for G.E. Chemicals

Appointment of John A. Buckley, formerly of the General Electric Company's lamp department, Nela Park, Cleveland, as merchandise sales manager for the firm's chemical department has been announced by Donald S. McKenzie, general sales manager of the department. Mr. Buckley, who will be responsible for the sale of consumer goods items, will make his headquarters at Pittsfield, Mass.

Trade Briefs

Continental Can Company, New York, recently announced that it had discontinued negotiations with Hummel Ross Fibre Company for acquisition of that firm.

E. F. Phillips, professor of agriculture at Cornell since 1924, has retired. He was president of the American Association of Economic Entomologists in 1935.

Sylvania Electric Products, Inc., has named Jerome R. Steen director of quality control for the lamp fixture, wire products, tungsten and chemicals, radio tube and electronic divisions.

James B. Conant, president of Harvard University, is to get an honorary degree from the University of London in November.

Ty-Bar Products, Inc., has been formed in Albany, N. Y., for the purpose of conducting a general chemical business.

Diamond Alkali Company, Pittsburgh, has named as assistant secretary Donald S. Carmichael, Cleveland lawyer.

Physicochemical Lectures Inaugurated at Mellon

A series of lectures on the research and technical applications of physicochemical methods has been inaugurated at Mellon Institute of Industrial Research, Pittsburgh. The lectures will be given weekly during the 1946-47 semesters. They are open to interested persons in the region, as well as to students.

The following topics have been scheduled:—

Analytical Instruments, G. C. Akerlof, November 21.
Catalysis, W. M. Kutz, March 6.
Colloid Technics, J. W. Jordan, May 8.
Crystal Structure, L. E. Alexander, January 23.
Ebulliometry, J. R. Anderson, November 14.
Election Optics, H. P. Klug, December 12.
High-Vacuum Technics, T. W. DeWitt, April 10.
Isotopes and Tracer Technics, J. T. Kummer, April 24.
Sorption, E. P. Barrett, February 20.
Spectroscopy, A. L. Marston, January 9.
Synthetic Methods, R. H. Hartigan, March 20.

Labor Relations

—Continued from page 3

positive that much of it is not mere "chiselling" or intentional evasion of the law—one thing is quite obvious and that is that some inventory-taking by employers to see whether or not they fully understand the provisions of the law and are living up to its requirements would appear most timely and important.

Upon finishing reading this wage and hour enforcement report, this column then and there was convinced that here was a phase of our labor laws which employers were apparently either neglecting or overlooking, definitely calling for a review. He was rather convinced of the need of such a review when, the other day, he learned that thirty-seven employees of one of our largest chemical companies brought suit against their employer for wages and penalties claiming that the employer had violated the overtime provision of the FLSA. What is particularly interesting in that case is that according to the employees' attorney, the alleged violation would take in some 65,000 other employees of the company and would involve an estimated damage claim of about $45,000,000—a sizable figure indeed.

The claim in that particular case appears to revolve about some thirty minutes or more which certain employees, called "doffers," who work with acids in the rayon plants of the company, allege that they must spend preparing for and after their regular work. These alleged activities include putting on aprons and overalls, removing shirts, taping or covering arms, putting on fingercups, and assembling and sharpening tools. The action will seek to declare whether this preliminary and preparatory time which the employees alleged they are spending outside of their regular work should be considered compensatory hours and be included in the computation of time-and-one-half premium pay under the overtime section of the FLSA.

Provisions Must Be Known

Thus, even at the risk that many *OPD* readers may feel that they already know all about the wage and hour law and its application to their particular plant, a review of the law's more basic requirements, and in particular, some of its more troublesome sections, would still appear most in order—if for no other reason than as a check against possible error or misconception of the law's requirements.

Of these 17,000 or more employers whom the wage and hour division found this past year to have been in violation of the FLSA, some of them are undoubtedly "chisellers" who, well knowing of the law's requirements, nevertheless try to escape living up to it. For these wilful violators, the penalty of the law is none too harsh. And where it involves a "knowing" and repeated violation, the act's penalties are stiff indeed. The act, for example, provides for double damages, that is, twice the actual overtime due the employee, plus legal fees to the employee's attorney as a penalty for violation of the overtime provision. There is also a $10-per-day fine for every minor employed in violation of the child labor provisions. Injunctive action and criminal prosecution including imprisonment have also been meted out to employers violating the law. One employer recently received a three-month jail sentence. Care that the act is fully complied with is thus most important indeed.

Probably the greater number of these 17,000 wage and hour law violators represent employers who did not knowingly or wittingly violate the law. From the report, it is manifest that some employers still do not know of the law's requirements—an excuse which, by the way, is of course of no legal avail. Others think they know but are wrong, finding this out, unfortunately, only after a wage and hour inspector has gone through their plants or an employee starts a suit for back pay.

Law Has Four Parts

In general, the wage and hour law might be subdivided into four major parts as follows: (1) Minimum wages, (2) overtime, (3) child labor, (4) record-keeping.

The minimum wage part of the law (section 6) would seem to be clear enough. In the chemical and allied industries, it has been fixed at 40 cents per hour, established by the industry committee February 7, 1944. Certainly little excuse for violation of this section of the act can exist. Nor is there, as far as this column has been able to ascertain, any reported cases of minimum wage violations in the industries covered by *OPD* readers. With the sharp increase in general wage levels since the act went into effect, it is surprising that the wage and hour division's report still shows the number of minimum wage violators that it does.

The child labor provisions of the act (section 12) likewise should give little cause for violation. The act itself does not specifically establish any age limits of hire. Its approach is rather indirect. It only refers to "oppressive" child labor, rendering it "hot goods" which are prohibited from interstate shipment under fine, penalty and injunctive remedy. The Children's Bureau of the Department of Labor has by orders (seven to date) fixed certain occupations as "particularly hazardous" for minors between sixteen and eighteen years of age. These orders also regulate employment of minors between fourteen and sixteen years of age. Employers need only refer to these orders to make certain of the age and occupation limitations. Violation of these orders is equal to violation of the act itself. In this connection, a recent Federal case held that failure by an employer to take steps to verify a boy's true age (here under sixteen years) would constitute "knowingly" employment of a minor and be in violation of the law. Absence of knowledge of the employee's true age or reliance on the employee's representation of his age is thus not a sufficient protection for the employer. Typical of these orders are No. 1 covering occupations in or about explosive and kindred plants and No. 7 involving operation of power-driven hoisting apparatus.

The third part of the act calls for the employer to keep employment records (section 11 (c)). The law does not specify any definite or particular form or type of records. The purpose of this record-keeping section of the law being to help in its enforcement, the employer need only keep adequate records. The division has issued regulations setting forth guides and proposed forms of records, including sample computations. These are most helpful in the preparation and maintenance of records and should be referred to by employers.

Printing Ink Makers

—Continued from page 3

dent of the National Association of Printing Ink Makers and Lewis Roberts, Inc., Newark, N. J.; James Beckett, of International Printing Ink Division of Interchemical Corporation, New York, and James Raynolds of the General Printing Ink Division of Sun Chemical Corporation, New York. This group has already met with the Department of Agriculture and had a meeting in New York October 11 to discuss the possibility of having ceiling prices of linseed oil for printing inks decontrolled, since all price ceilings on printing inks were removed some time ago, as printing inks are not considered a cost of living commodity.

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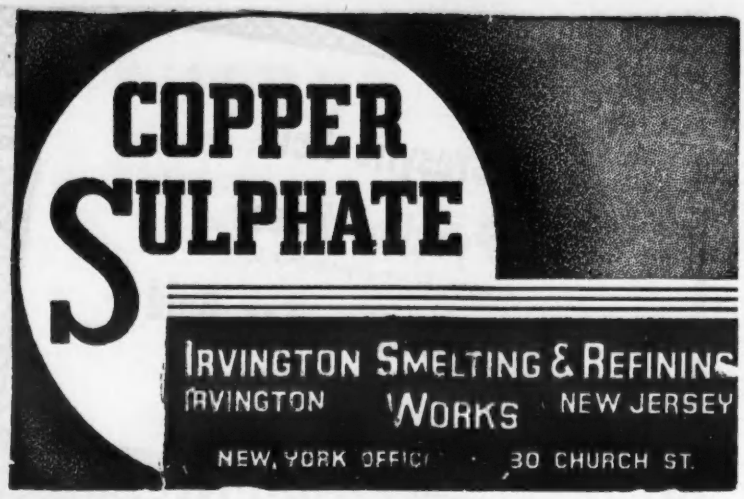

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LOCATION: Approx. a half acre at Warren and King Streets, Gloucester, Camden County, New Jersey.

UTILITIES: Water and sewer connected to city systems. Power and light by local company.

BUILDINGS: Main oxygen production plant and cooling tower. Flowmeter control house, transformer sub-station, trailer house with loading platform and macadam parking area.

PRODUCTION EQUIPMENT: Includes Norwalk Air Compressor, 2-stage with after-coolers, capacity 1,000,000 cu. ft. in 24 hours. Oxygen compressors, 1,500 cu. ft. balloon gas holder, soda towers, oxygen columns, liquefaction units, 78 oxygen storage cylinders, 9⅝" x 20' 6½". Electrical equipment, pumps, piping, controls, etc.

CONSTRUCTION: *Oxygen plant*, 66' x 104', area 6,864 sq. ft., concrete foundation, painted clapboard siding, built-up roofing, with tongue-and-groove planking over 4" x 14" rafters. Concrete floors, brick chimney, to roof level with 36' steel stack outside. Roof ventilators, incandescent lighting, sprinkler system, sanitary and shower facilities.

Flowmeter Control House, 11' 4" x 16' concrete foundation, 8' brick walls and integral water-proofed concrete slab roof.

Transformer Sub-station, 9' 4" x 10' 10". Brick walls with concrete floor and roof.

Trailer House, 50' x 67' 3", area 3,120 sq. ft. Plastered brick walls supporting steel trusses. Two overhead folding doors 12' high and 11' wood swing door. Floor is 8" reinforced concrete.

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Engineering Foundation Reelects Dr. Kinzel

Dr A. B. Kinzel, vice-president of Union Carbide and Carbon Research Laboratories, Inc., has been reelected chairman of the Engineering Foundation. Other officers elected were:—Vice-chairman, Dr. L. W. Chubb, director of Westinghouse Research Laboratories; director, Dr. Edwin H. Colpitts, formerly vice-president of Bell Telephone Laboratories, and secretary, John H. R. Arms.

Dr. Kinzel will represent the foundation on the executive board of the National Research Council and Dr. Chubb heads the research procedure committee of the foundation.

Agricultural Research

—Continued from page 3

Albert K. Mitchell, Bell Ranch, N. M., manager and co-owner of the Bell Ranch; James G. Patton, Denver, Colo., president of the National Farmers Union; Walter L. Randolph, Fayette, Ala., president of the Alabama Farm Bureau Federation; H. J. Reed, West Lafayette, Ind., dean and director of the Purdue University School of Agriculture, and Kerr Scott, Raleigh, N. C., Commissioner of Agriculture of North Carolina.

In addition to the National Advisory Committee, it is expected that special committees will be named to help in developing research and marketing programs in particular fields, commodities or subjects.

Appointment of the committee is in preparation for carrying out an expanded program of agricultural research and marketing services as directed by Congress. The newly appointed committee will consult with the Secretary of Agriculture on broad overall phases of this program. The act provides that the Secretary of Agriculture shall be chairman of the committee. The first meeting of the group is expected to be called in November.

Trade, Farm Groups

—Continued from page 3

cultural groups, including the CIO, AFL, and the American Farm Bureau Federation.

Representative Kefauver said that some members of the organizations he had written to had expected to testify on the problem before the monopoly committee, and that in view of the cancellation of the public hearings they were being requested to submit what information they had in written form so that it could be made a part of the record.

He also said the committee would welcome any suggestions or recommendations concerning the question of economic concentration from any individual or group. He emphasized that such information should be in the committee's hands by November 1.

PA's on Business

—Continued from page 7

a few months, after which declines may show up.

Canadian reports indicate that ceilings are still holding and price changes are negligible.

West coast buyers report prices continue to rise in that area, but they are of the opinion that more and more opposition to higher prices is developing.

Inventories

Reports received indicate a slight—but very slight—drop in the overall inventory situation. Deliveries are not improving, and inability to get suitable deliveries tends to reduce inventories in some plants and to unbalance them in others.

Work-in-process inventories are becoming very difficult to control, due to the short supply of many items necessary to the completion of the finished product. Little change in this picture is expected for the balance of this year, at least.

Industrial buyers are practically unanimous in their desire to reduce or balance inventories. This tendency is accelerated because higher prices are meeting resistance for the first time since the war. There is also a very definite policy of resistance to long-term commitments with the price prevailing at time of shipment.

Many buyers report that inventory reduction is their No. 1 problem and is receiving major attention.

In this connection it is interesting to note the policy of a very large buyer in one of our major industries. Every open order is being checked, and those of long standing are either being canceled outright, or, as soon as traveling expediters locate the material or supplies elsewhere for nearby delivery, the standing order is canceled. There appears little value to the purchasing department in having orders on so-called "standard items" dating back many months, when no deliveries are being made. Many vendors may be in for quite a surprise as they receive such cancellations and learn how very serious this back-order situation really is.

Buying Policy

The buying policy of industrial buyers is more and more one of caution. A general policy would seem to be about a three months' position, with variations in different items, the goal being to try to keep inventories in balance with demand, supply, and deliveries.

Many buyers are deferring forward commitments for 1947 beyond the first quarter, awaiting a clarification of the situation.

Specific Commodity Changes

The constant change in commodity prices and situations continue to make more difficult the smooth operation of industrial business. Frequently, substitutions are necessary, even though there is no restriction on the use of the desired materials. Little improvement is expected until raw materials are produced in a more balanced supply.

In the midst of advancing prices one item, fuel oil, is lower. No. 6 grade fuel oil has been reduced 10½ cents per barrel.

Spruce lumber from the Canadian mills has advanced $4 per M feet.

A rise of 10 percent is reported for cotton goods. Some higher-priced textiles are somewhat easier.

Electrical equipment is up 12 percent to 15 percent; batteries, up 5 percent; insulators, 5 percent; and large mechanical equipment, generally up 9 percent.

Paper continues to be very tight.

Ceilings have increased on coated abrasives. Rubber goods, such as belting and hose, have advanced.

Acetone, castor oil, butanol and butyl acetate, chlorine, soda ash, caustic soda, and phenol are all reported higher in the chemical field. Linseed oil is very short. Menthol is stronger, due to limited stockpiles in Brazil and limited exports from China. Oils of cassia and anise are lower, due to arrivals from China.

Cast iron scrap is up $5 per gross ton; malleable scrap, $2 per gross ton.

Roller bearings are up 12 percent to 20 percent, depending upon size.

Employment

The gain in employment in the industrial field is slowing down. There is a slight increase in the number of reports showing lower employment. Generally, the picture is about the same as a month ago.

The machine tool industry reports more applications for work, probably due to the fact that Winter is approaching. Unrest in the present labor situation continues to slow up production.

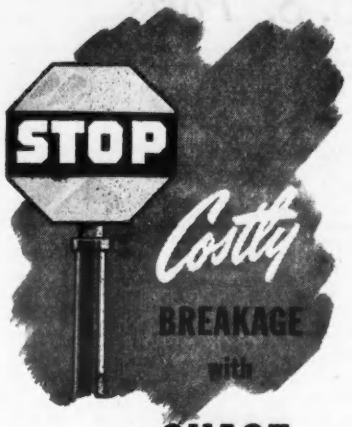
Employment in the Pittsburgh area was drastically reduced, due to the effect of the power strike.

In general, the critical labor shortage has not yet been satisfied. In most areas, there are very few remaining unemployed who want to work. The demand is more for skilled than for unskilled.

General

In the sense that there is a good demand, business generally may be said to be good. The picture, however, is clouded by general disappointment in production and the tendency to price inflation. There is much talk of a coming "buyers' market."

The recent action of the government in the decontrol of meat and acceleration of decontrol of other products has sparked considerable optimism. This speeding up of decontrols, buyers believe, will expedite the reconversion of the material and supply markets from their wartime basis. It may result in a flurry of higher prices, but these should bring out higher production, and the resistance of consumers to higher prices should result in stabilization at a somewhat lower level.



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Obituaries

Frederic Juenger

Frederic Juenger, traffic manager in the New York office of the Texas Gulf Sulphur Company, New York, died October 21 at Union hospital, New York. He was sixty-three years old.

Dr. W. G. Karr

Dr. W. G. Karr, director of laboratories of Smith, Kline & French Laboratories, Philadelphia, died recently. Dr. Karr had been associated with the firm for more than ten years, and was noted for his scientific contributions in the field of biochemistry.

Walter N. Longman

Walter N. Longman, vice-president of Longman & Martinez, paint manufacturer, Brooklyn, N. Y., was killed recently when a swinging boom on his sailboat struck him on the head. He was forty-eight years old. Among the survivors is his brother, Robert, president of the firm. At the time of his death Mr. Longman was president of the Connecticut Paint Salesmen's Club.

Walter G. Benner, Jr., member of the engineering department of H. W. Porter Company, distributor for the Johns-Manville Company, New York, died in Orange, N. J., October 23, after an illness of seventeen days. He was thirty-three years old.

Mrs. Florence Hiers, wife of H. Houston Hiers, president of Java America Company, New York, importers of tapioca flour and other Far Eastern products, died October 23 at Sunnyside Sanitarium, Yonkers, N. Y. Mrs. Hiers, a native of New York, was 77 years of age. She is survived by her husband, a son and a daughter.

Matthew J. MacNamara, retired vice-president and director of National Distillers Products Corporation, New York, died recently at his home in Rye, N. Y. He was fifty-four years of age.

Carlile Strader, owner and operator of the Strader Chemical & Supply Company, Louisville, Ky., died recently in that city after an illness of six months. He was sixty-three years old.

Chemical Consultants

—Continued from page 4

dividual was a larger factor than any endorsement or guaranty set up by law.

Reports of officers and committees indicated an increase of membership from 110 to 115, with a corresponding increase in receipts but a bigger increase in expenditures. An increase of 8 percent in requests for services was reported, the year's total of the public relations committee having been 237. It was expected that standards on which there had been collaboration with the American Council of Commercial Laboratories would soon be adopted by the American Standards Association.

Four matters of professional welfare had been handled:—(1) Research policies in educational institutions; (2) technical advisory service in the Small War Plants Administration; (3) free testing of water by the Pennsylvania Department of Health; (4) unfair competition at Columbia. Satisfactory progress had been made.

The idea of adding another general meeting during each year was endorsed, but the proposed date (December 4) was considered too early for the next one.

The following officers and directors, elected by mail, were installed:—

President, Nicholas M. Molnar, of Molnar Laboratories, New York.

Vice-president, A. Taub, of the College of Pharmacy of Columbia University, New York.

Secretary, M. F. Lauro, of the Bureau of Chemistry, New York Produce Exchange.

Treasurer, P. F. Wehmer, of Electrical Testing Laboratories, New York.

Directors (Class of 1949), C. A. Blair, of the Blair Laboratory, New York; Gustavus J. Esselen, the Esselen Research Corporation, Boston; Earl D. Stewart, of Schwarz Laboratories, New York.

Other members of the directorate (holdovers), Albert Parsons Sachs, New York; William M. Grosvenor, jr., of William M. Grosvenor Laboratories, New York; Percy E. Landolt, New York; Benno Lowy, of Pacific Chemical Laboratories, San Francisco; Roger W. Truesdail, of Truesdail Laboratories, Los Angeles; John M. Weiss, of John M. Weiss & Co., New York; Ralph L. Evans, of Ralph L. Evans Associates, New York.

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ANISE—110 bgs, Knickerbocker Mills Co, Vera Cruz

ARGOLS—500 bgs, Catania

ARNICA FLOWERS—59 bgs, R J Prentiss & Co, Genoa

ARSENIC—15 bbls, Cosmos Shipping Co, Vera Cruz—332 bbls, American Smelting & Refining Co, Tampico

ASBESTOS—2,666 bgs, Raybestos Manhattan Co, Beira—2,180 bgs, Johns Manville Corp, Beira—4,800 bgs, Premier Shipping Co, Beira—500 bgs, Plant & Rubber & Asbestos Works, Capetown—600 bgs, Refratar & Insulation Corp, Capetown

BABASSU KERNELS—1,667 bgs, General Foods Corp, Parnahyba

BALATA—337 bls, H A Astlett & Co, Manaus—59 bls, Herman Weber & Co., Manaus—49 cs, Hecht, Levis & Kahn, Manaus—106 cs, Littlejohn & Co, Manaus—50 cs, Herman Weber & Co, Belem—2,092 blocks, H A Astlett & Co, Para

BARBASCO ROOT—1,380 bls, H A Astlett & Co, Manaus—6,144 bls, Otis Astoria Corp, Belem—3,932 bls, Hecht, Levis & Kahn, Para—5,578 bls, Otis Astoria Corp, Para

BAUXITE RESIDUE—1,000 bgs, Reichard, Coulston, Inc, Glasgow

BEES WAX—136 blocks, T F Grant, Aden

BENZOIN GUM—48 pkgs, N M Bernstein & Co, Singapore—40 cs, Max Van Pels, Singapore

BERGAMOT OIL—44 half cs, Dodge & Olcott Co, Catania—140 qr cs, Irving Trust Co, Catania—417 qr cs, Catania

BILE—3 cks, American Ferment Co, Buenos Aires—6 cs, American Ferment Co, Montevideo

BIRCH TAR OIL—3 bbls, National City Bank, Stockholm

CALCIUM CYANIDE—1 cs, American Cyanamid & Chemical Corp, Durban

CARNAUBA WAX—20 bgs, Cornelius Products, Inc, Parnaibo—13 bgs, Enco Chemical Corp, Parnaibo—78 bgs, American Cyanamid & Chemical Corp, Fortaleza—33 bgs, Innis Speiden & Co, Fortaleza—188 bgs, Fred Henjes, Jr, Parnahyba—45 bgs, National Products Corp, Parnahyba—214 bgs, W R Grace & Co, Parnahyba—50 bgs, American Cyanamid & Chemical Corp, Parnahyba—50 bgs, Wessel, Duval Co, Parnahyba—69 bgs, S C Johnson & Co, Fortaleza—67 bgs, Wessel, Duval Co, Bahia

S C Johnson & Son, Fortaleza—67 bgs, Wes-

CASEIN—993 bgs, Eugene Lang, Inc, Buenos Aires—1,622 bgs, Casein Co of America, Buenos Aires—2,800 bgs, Tupanen Thurlow & Co, Buenos Aires

CASTOR BEANS—1,693 bgs, Baker Castor Oil Co, Natal—1,693 bgs, Baker Castor Oil Co, Cabedelo—850 bgs, Spencer Kellogg & Sons, Cabedelo—770 bgs, Spencer Kellogg & Sons, Fortaleza—8,022 bgs, Spencer Kellogg & Sons, Camocim—16,710 bgs, Baker Castor Oil Co, Camocim—847 bgs, Spencer Kellogg & Sons, Victoria—11,200 bgs, Baker Castor Oil Co, Bahia—2,500 bgs, Spencer Kellogg & Sons, Recife

CASTOR OIL—526 dms, Bristol Myers Co, Singapore

CEDAR OIL—1 dm, Roure, DuPont, Inc, Casablanca

CHILLIES—76 bgs, Van Norden & Archibald, Mombasa—60 bgs, Van Norden & Archibald, Dur Es Salaam—110 bgs, Zanzibar

CHINA CLAY—764 tons, 4 cwt, J W Higman Co, Inc, Fowey

CINNAMON LEAF OIL—1 dm, R C Treat & Co- Mombasa

CITRONELLA OIL—3 cs, Jasins Import Corp, Singapore

CLOVES—100 bls, National City Bank, Zanzibar

COBALT METAL—315 cks, African Metal Corp, Antwerp

CODLIVER MEAL—1,350 bgs, Wessel, Duval & Co, Bergen

CODLIVER OIL—500 bbls, Peder Devold Oil Co, Bergen—50 bbls, Norwich Pharmacal Co, Bergen—291 dms, E R Squibb & Sons, Reykjavik—260 dms, Peder Devold Oil Co, Reykjavik—488 dms, Upjohn & Co, Reykjavik—542 dms, Bankers Trust Co, Reykjavik

COPAIBA BALSAM—5 dms, Dodge & Alcott Co, Manaus—5 dms, Simmonds & Grey, Manaus—4 dms, C E Griffin, Cristobal

COPAL GUM—140 bgs, O G Innes Corp, Singapore—125 bgs, A J Wattenberg Corp, Manila—125 bgs, U S Industrial Chemical Co, Manila—53 bgs, W H Scheel, Inc, Manila—104 bgs, American Cyanamid & Chemical Corp, Manila—137 bgs, France, Campbell & Darling, Manila

CORN SYRUP—184 cks, Eugene Lang, Inc, Buenos Aires

CRESYLIC ACID—150 dms, Glasgow

CUBE ROOT—200 bgs, R J Prentiss & Co, Belem—218 bls, Guaranty Trust Co, Callao—76 bls, Reconstruction Finance Co, Callao

CUBEBS—30 bgs, S B Penick & Co, Singapore

CYMBARUM OIL—23 dms, Dodge & Olcott Co, Itajai—45 dms, Geismar & Co, Itajai

DAMMAR GUM—25 cs, 280 bgs, O G Innes Corp, Singapore—280 bgs, U S Industrial Chemical Co, Singapore—50 cs, American Cyanamid & Chemical Corp, Singapore—140 bgs, Gillespie, Rogers, Pyatt Co, Singapore—75 cs, G W S Patterson & Co, Singapore

DIATOMACEOUS EARTH—101 bgs, C B Chrystal Co, Vera Cruz

DYES, ANILIN—82 dms, Geigy Co, Rotterdam—12 tubes, Carbic Color & Chemical Co, Havre—32 dms, 10 cks, Sandoz Chemical Works, Havre

ELEMI GUM—26 dms, U S Industrial Chemical Co, Manila

EUCALYPTUS OIL—17 dms, Dodge & Olcott Co, Montevideo—17 dms, L Luzzato, Casablanca

FISH LIVERS—46 bbls, National City Bank, Bergen—65 bbls, Norwegian-American Line, Bergen

FLIES, DRIED—85 bgs, Vera Cruz

GALLS—7 cks, Van Gelder Fanto Corp, Buenos Aires—38 cs, National City Bank, Montevideo—20 cks, American Ferment Co, Montevideo

GLUE—5 bbls, Adolph Feil Associates, Bergen—2 bgs, Eberhard Pencil Co, Buenos Aires—37 cs, Andes Trading Co, Buenos Aires

GLUESTOCK—110 bls, Irving Trust Co, Recife

GYPSUM—2,741 tons, National Gypsum Co, Walton—10,064 tons, United States Gypsum Co, Windsor

IPECAC ROOT—1 bg, Menkes Feuer Co, Cristobal

JALAP ROOT—14 bgs, S B Penick Co, Vera Cruz—67 bgs, Vera Cruz

LEMON OIL—50 qr cs, National City Bank, Catania—52 qr cs, Corn Exchange Bank, Catania—9 half cs, Catania—6 half cs, Bank of Montreal, Catania—6 half cs, New York Trust Co, Catania

LEMONGRASS OIL—2 dms, Orbis Products Corp, Cristobal

LINALOOL OIL—120 qr cs, Catania

LINSEED OIL—2,603 tons, Commodity Credit Corp, Buenos Aires—694 tons, Commodity Credit Corp, Montevideo—100 dms, Montevideo

LOCUST BEAN GUM—360 bgs, Stein, Hall & Co, Rotterdam

MACE—17 cs, Otto Gerdau Co, Singapore—34 cs, International Credit Handel, Singapore

MAIDEN HAIR—6 bgs, Catania

MAGNESIA CARBONATE—600 bgs, Schofield-Donald Co, Glasgow

MANGANESE ORE—6,000 tons, Amtorg Trading Corp, Poti

MANGROVE BARK—5,350 bgs, Manufacturers Trust Co, Zanzibar—Extract, 1,000 bgs, Tannin Product Export Co, Buenaventura

MANIOC MEAL—6,000 bgs, Fred Cohn & Co, Rio de Janeiro—6,174 bgs, Morningstar, Nicol, Inc, Parnahyba—2,500 bgs, World-Wide Commodities Corp, Parnahyba—3,340 bgs, Corn Exchange Bank, Camocim—1,769 bgs, Morningstar, Nicol, Camocim—1,667 bgs, World-Wide Commodities, Camocim—4,576 bgs, Stein, Hall & Co, Para

MANNA—40 cs, Irving Trust Co, Palermo

MASSARANDUBA GUM—62 cs, Chicle Development Co, Manaus

MICA—236 cs, Vilco, Inc, Buenos Aires—20 cs, Siegfried Cussel, Buenos Aires—4 cs, Eugene Munsell & Co, Buenos Aires—24 cs, Eugene Munsell & Co, Montevideo

MURU MURU KERNELS—1,550 bgs, E F Drew & Co, Belem

NISPERO GUM—9 bgs, Menkes Feuer, Cristobal

NUTMEGS—500 bgs, Otto Gerdau Co, Singapore—100 bgs, Singapore

OITICICA OIL—121 dms, Brown Linseed Corp, Fortaleza—190 dms, Brown Oil & Chemical Corp, Parnahyba

ORANGE OIL—12 half cs, Bank of Montreal, Catania—200 half cs, Ungerer & Co, Catania—300 half cs, National City Bank, Catania—100 qr cs, Catania

OREGANO LEAVES—75 bgs, Tampico

PAPAIN—100 cs, S B Penick & Co, Mombasa—37 cs, R J Prentiss & Co, Mombasa

PATCHOULI OIL—2 cs, United States Rubber Co, Singapore—6 cs, Jasins Import Corp, Singapore

PEPPER, BLACK—1,680 bgs, International Credit Handel, Singapore—252 bgs, Volkart Bros, Singapore—520 bgs, Grace National Bank, Singapore—345 bgs, Singapore

PEPPERMINT LEAVES—30 cs, R J Prentiss & Co, Genoa—25 cs, Peek & Velsor, Naples

PETITGRAIN OIL—25 cs, Gentflor Mfg Co, Buenos Aires

PETROLEUM, CRUDE—105,209 bbls, Standard Oil Co N J, Cartagena—120,152 bbls, Imperial Oil, Ltd, Porto La Cruz—75,311 bbls, Cities Service Oil Co, Tampico—126,881 bbls, Atlantic Refining Co, Porto La Cruz—110,751 bbls, Standard Oil Co N J, Las Piedras—

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PUMICE, POWDERED—11,024 bgs, J H Rhodes Co, Canneto—1,784 bgs, C B Chrystal & Co, Canneto—1,053 bgs, K F Griffith & Co, Canneto—Lump, 17 bgs, 5 cks, J H Rhodes & Co, Canneto
QUICKSILVER—200 flasks, C P Hull Co, Inc, Tampico
RESIN—11 cs, J L Hopkins & Co, Trieste
ROSADINHA GUM—53 cs, Otis Astoria Corp, Manaus—30 cs, H A Astlett & Co, Manaus—31 cs, Earle Bros, Manaus—86 cs, Littlejohn & Co, Manaus
ROSEWOOD OIL—42 dms, Norda Essential Oil & Chemical Co, Manaus—6 dms, Ungerer & Co, Manaus—6 dms, Roure Dupont, Manaus—6 dms, Dodge & Olcott Co, Manaus—18 dms, Givaudan-Delawanna, Manaus—12 dms, P R Dreyer, Manaus—15 dms, Trubek Laboratories, Manaus—4 dms, Felton Chemical Co, Manaus
SACCARIN, POWDERED—3 cs, 2 bbls, Birch, Kline Co, Rotterdam
SAGE OIL—9 cs, Dodge & Olcott, Trieste
SAGE LEAVES—17 bls, S B Penick & Co, Trieste
SAGO FLOUR—1,285 bgs, Stein, Hall & Co, Singapore
SELENIUM, POWDERED—5 dms, African Metal Corp, Antwerp
SESAME SEED—1,000 bgs, Archibald & Kendall, Cristobal
SHARK LIVER OIL—37 dms, Borden Co, Buenos Aires
SHARK LIVERS—69 dms, Collett, Week, Nibecker, Inc, Buenos Aires
SIENNA EARTH—200 bgs, J Lee Smith & Co, Genoa
SOAPBARK—40 bls, Peek & Velsor, Valparaiso
SODA NITRATE—6,320 tons, Chilean Nitrate Sales Corp, Salaverry
SODA SILICOFLUORIDE—500 bgs, H Sundheimer, Copenhagen—400 bgs, E M Sergeant Pulp & Chemical Co, Copenhagen
SORVA GUM—402 cs, Chicle Development Co, Manaus—132 cs, H A Astlett & Co, Manaus—97 cs, Paul Bentuch Co, Manaus—591 cs, Otis Astoria Corp, Manaus—87 cs, L W Dumont Co, Belem
TALC—1,000 bgs, Charles Mathieu, Genoa
TAPIOCA FLOUR—10,678 bgs, Geismar & Co, Itajai—13,678 bgs, Guaranty Trust Co, Itajai—3,333 bgs, Wessel, Duval & Co, Itajai—1,332 bgs, American Key Products, Inc, Fortaleza—2,500 bgs, Morningstar, Nicol, Inc, Parnahyba—2,000 bgs, Stein, Hall & Co, Parnahyba—4,167 bgs, Stein, Hall & Co, Camocim—1,667 bgs, J Henry Schroeder Banking Corp, Camocim—1,680 bgs, Morningstar, Nicol, Inc, Camocim—345 bgs, Stein, Hall & Co, Para
TAURICO EXTRACT—30 bbls, American Cyanamid & Chemical Corp, Vera Cruz
TOLU BALSAM—15 cs, Chase National Bank, Barranquilla
TUCUM KERNELS—1,666 bgs, General Food Corp, Para
TUNGSTEN ORE—750 bgs, Philipp Bros, Natal—500 bgs, Metal Traders, Fortaleza—119 bgs, Philipp Bros, Buenos Aires
VEGETABLE WAX—30 bgs, D Steengrafe & Co, Buenaventura—168 bgs, Paul & Stein Bros, Buenaventura
VITAMIN OIL—12 dms, Distillation Product Corp, Capetown
WOLRAM ORE—29 bgs, Standard Bank of South Africa, Capetown—880 bgs, African Metal Corp, Antwerp
WOLFRAMITE—292 bgs, Philipp Bros, Buenos Aires

Baltimore

ASBESTOS—1,280 bgs, John Manville Corp, Beira
BONES—453 bgs, Santos—540 bgs, Montevideo
CHROME ORE—3,000 tons, Frank Samuels & Co, Lourenca Marques
COPRA—1,092 tons, Hanson & Orth, Manila
FUEL OIL—24,272 bbls, Standard Oil Co, N J, Aruba
GAS OIL—40,111 bbls, Standard Oil Co N J, Aruba
GLYCERIN—137 dms, Buenos Aires
MANGANESE ORE—5,000 tons, Amtorg Trading Corp, Poti
NICKEL OXIDE—75,376 bgs, Metals Reserve Co, Nicaro
PETROLEUM CRUDE — 100,780 bbls, Standard Oil Co, N J, Piedras
QUEBRACHO EXTRACT—42,908 bgs, Buenos Aires
VANILLA BEANS—29 cs, McCormick & Co, Vera Cruz

Boston

BONES—6,080 bgs, Consolidated Chemical Industries, Buenos Aires
PUMICE, POWDERED—6,286 bgs, W R Rogers, Canneto—Lump, 155 bgs, 4 cks, W R Rogers, Canneto

Chicago

MANIOC MEAL—7,667 bgs, Falk, Wermser & Co, Parnahyba
TUCUM KERNELS—4,153 bgs, Durkee Famous Foods, Parnaibo

Detroit

IPECAC ROOT—4 bgs, Parke Davis & Co, Cartagena

Minneapolis

PYRETHRUM FLOWERS—350 bls, McLaughlin, Gormley & King, Mombasa

Peoria

MANIOC MEAL—500 bgs, Pebel Springs Distillery, Parnahyba—4,000 bgs, Pebel Springs Distillery, Camocim

Philadelphia

ALMOND OIL—22 dms, Tradesman National Bank, Genoa
COPAL GUM—50 cs, T G Cooper & Co, Singapore
MANIOC MEAL—3,401 bgs, Perkins Glue Co, Rio Janeiro
VANILLA BEANS—25 cs, Zink & Triest, Vera Cruz

Providence

SAGO FLOUR—1,308 bgs, Arnhold Hoffman & Co, Singapore

Seattle

VITAMIN OIL—30 dms, Wilbus Ellis Co, Capetown

Trade Briefs

Hugh R. Brankstone, of the Gulf Oil Corporation, has been elected president of the Pittsburgh Geological Society for the 1946-7 term.

Aetna Oil Corporation has been formed at Blasdel, N. Y., for the purpose of developing oil properties.

Lever Bros. Advances Two in Pepsodent Div.

Leslie A. Sauers, Western regional sales manager for the Pepsodent division of Lever Brothers Company, Cambridge, Mass., has been appointed to the newly created post of division field sales manager, with headquarters in Chicago.

The company also announces that Sam Laurie, manager of the Philadelphia division, has been named manager of the combined Pepsodent New York and Philadelphia divisions with offices in New York.

German Research

—Continued from page 7

by Lt. Cmdr. C. H. Brooks and five other members of the U. S. Naval Technical Mission in Europe. Three other reports on the German explosives industry, prepared by the U. S. Naval Technical Mission in Europe, also are on sale by OTS.

For the oil exudation test, a 20-gram sample of TNT is cast in the form of a cylinder, 18 millimeters in diameter. This cylinder then is placed on a filter paper and heated for six hours in an oven. If the diameter of the ring of oil exuded onto the paper does not exceed 35 millimeters, the TNT is rated "A" grade. For "B" grade TNT, the maximum ring diameter is 70 millimeters.

This test, used by the German Army, apparently was considered more accurate than the setting temperature standard commonly used in the United States.

This report (Explosives: TNT Manufacture and Development Work in Germany; PB-22930; photostat, $4; microfilm, $1; 53 pages, including photographs and diagrams) also describes TNT manufacture in Dynamit plants at Schlebusch and Krummel.

Orders for these reports should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C., and should be accompanied by check or money order, payable to the Treasurer of the United States.

Synthetic Waxes

German processes for manufacturing more than 20 synthetic waxes from raw montan wax, a brown coal product, are described in a U. S. Army report now on sale by the Office of Technical Services. The report was prepared by J. Vernon Steinle for the Field Information Agency.

I. G. Farben used a wide variety of synthetics made from crude montan wax as substitutes for scarce natural waxes during the war. Montan waxes also were manufactured to some extent in the United States.

All the crude montan wax produced in Germany is made in the Riebeck'sche Montan Werke near Halle. Both a "batch" process and a continuous process have been developed for extracting the wax from granulated brown coal. After extraction, the wax is poured into molds, cooled, and broken into pieces for sale. Most of this wax is sold to I. G. Farben for further processing.

The crude wax is refined by removing the resin content with an ethyl alcohol solvent before making the finished synthetic wax products. One of the basic waxes, known as "Wax S," is prepared at the Gersthofen plant of I. G. Farben by oxidizing crude montan wax with chromic acid and sulphuric acid. The same wax is prepared at I. G. Farben's Oppau plant by oxidation with potassium bichromate. Most other montan waxes are modifications of "Wax S".

The only I. G. Farben wax ("Wax V") not derived from montan wax, according to the investigator, is a polymerized vinyl ether of octyl decyl alcohol. The process by which this wax is made at Oppau is described in detail in the report.

In addition to 13 pages of general production data, the report contains 19 pages (in German) giving full shop method data for waxes at the Gersthofen and Oppau plants.

Orders for the report; "Economic Study of German Synthetic Waxes"; PB-34727; photostat, $3; microfilm, $1; 34 pages) should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C., and should be accompanied by check or money order, payable to the Treasurer of the United States.

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Linberg Heads Textile Chemists N.E. Section

George Linberg, of Boston, was elected chairman of the Northern New England section of the American Association of Textile Chemists and Colorists at the October meeting held at the Andover Country Club, Andover, Mass. He will take office January 1.

Other officers elected were:—Vice-chairman, Frank J. O'Neil, textile physicist of Pacific Mills, Lawrence, Mass., treasurer, Martin H. Gurley, jr., of Boston, and secretary, Azel W. Mack, of Boston. Edward S. Chapin and Walter J. Hamburger, jr., both of Boston, and Delbert E. Ray, of Lowell, Mass., were elected councillors to represent the council at national council meetings.

Principal speaker at the meting was Ernest Cannity, chief engineer of James Hunter Machine Company, who spoke on "Modern Advances of Textile Wet Finishing Equipment."

Aspinook Buys Hampton

The Hampton Print Works, Easthampton, Mass., has been purchased by the Aspinook Corporation, according to William A. Bradfoot, Aspinook president, who said that his firm is now the largest of the nation's twenty-six textile finishing companies.

Esselen Changes Firm Title

The firm name of Gustavus J. Esselen Inc., Boston, will be changed to Esselen Research Corporation on November 1. There will be no change in management or personnel of the company.

Japanese Drug Data Available

A new Japanese drug called "Koha," which according to Japanese clinical records appears to be remarkably effective in speeding the healing of severe burns, lesions, ulcers, frostbite, tubercular leprosy, and other diseases, is described in a report now on sale by the Office of Technical Services, Department of Commerce. The drug is worth "full and careful investigation" by American pharmacologists, the report states.

The drug is a derivative of neocyanine. It was produced by Jananese pharmacologists in an effort to find an agent resembling chlorophyll which would convert sunlight into energy for its therapeutic effect. Unable to obtain active chlorophyll, the researchers experimented successfully with neocyanine, a light sensitive agent.

It is administered intravenously. It is not effective when used as a local dressing. Japanese researchers claim that the drug increases the number of white corpuscles in the blood stream, stimulates regeneration of tissue, and increases the survival rate of damaged tissue cells.

The report contains numerous photos illustrating the drug's remarkable effect in combating severe cases of burns and tubercular leprosy. Formulas and processes for making the drug are included.

Other drugs used by the Japanese Navy and civilians, as well as Japanese developments in malariology, also are described briefly in the report.

Orders for the report (PB-31614; photostat, $8; microfilm, $3; 120 pages) should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C., and should be accompanied by check or money order, payable to the Treasurer of the United States.

Du Pont to Expand Adiponitrile Output

E. I. du Pont de Nemours & Co., Wilmington, Del., will construct a new unit at its electrochemicals plant in Niagara Falls, N. Y., for the production of one of the main chemical intermediates used in the manufacture of nylon. The project, estimated to cost about $3,000,000 has been submitted to the Civilian Production Administration for approval. The product to be manufactured is adiponitrile.

Textile Research Institute to Meet

The Textile Research Institute will hold its seventeenth annual meeting in the Waldorf-Astoria hotel, New York, November 8. Discussion will be given to the relation of research to production and the applications of research to production. Consideration also will be given to "production progress through textile research." There also will be an exhibit of products.

Trade Briefs

C. Scott Fletcher has resigned as executive director of the Committee of Economic Development.

Chad Raseman has been named chemical engineer for the five plants in the United States of the household products division of American Home Products Corporation.

Commerce and Industry Association of New York has appointed Fred Bennett chairman of the customs service and administration committee. He is vice-president of M. J. Corbett & Co.

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Textile and Leather Chemicals

Consumers continued to show less interest in foreign sizing materials, because of the increased available supplies and the lower cost of domestic materials. Further reduction in quotations of constarch and dextrin was an important factor in reducing buying interest in tapioca flour and sago flour. Potato starch production in Maine and Idaho was reported sold up for the balance of the year and grinders were not accepting additional business last week. Production of corn derivatives was reported sold well ahead. Inquiry for tapioca flour was centered in the low grades and the market in Brazil was reported slightly easier for these materials, while the better grades were unchanged.

Domestic and imported tanning materials were exempted from controls by OPA, October 24 and follow: Algarobilla, chestnut, cutch, divi divi, gambier, hemlock, mangrove bark, myrobalans, oak, osage, orange, quebracho, quercitron, spruce, sumac, tara, wattle bark, urunday and valonia.

There was no improvement in the inquiry for most tanning materials, because of the scarcity of hides and skins. Many tanning plants are operating on part time schedules and others have been forced to shut down. A good inquiry was reported for quebracho extract, which was unavailable for shipment from primary centers. Importers awaited the announcement of the sales plan of the Argentine government, which has taken over the control of the industry.

Decontrol of livestock has not improved tanners supply difficulties, because packers cannot ship hides and skins until weeks after the slaughter has increased, it was reported by Tanners Council. Hides now coming to market will not be ready for shipment until the middle of December. Tanners report a widespread reluctance by shippers to sell hides and skins in view of the emphasis given to the decontrol of commodities.

Chemicals

Bichromates—Inquiry for resale material was reported active, with offerings limited. Demand for export continued excellent. Deliveries against contracts were reported in good request. Prices were firm at ceilings.

Potash, Prussiate—Trading was reported in good volume. Supplies were adequate to cover the demand. Prices were unchanged. Producers were not booking contracts for forward delivery.

Sulphonated Oils—Production of sulphonated oils continued curtailed by the scarcity of vegetable and animal oils and tallow. Demand was active. Producers were unable to offer at prevailing ceilings, because of the higher cost of basic materials.

Zinc Dust—Production of zinc dust was reported at 2,180 short tons during July, compared with 2,410 tons in June. Stocks were 1,350 short tons at the end of July.

Sizing Materials

Albumen, Blood—Supply conditions have not improved, though the resumption of livestock slaughter will eventually increase the movement of raw materials. Producers report a heavy backlog of orders to be satisfied.

Albumen, Egg—Demand was restricted to moderate quantities for immediate requirements. Supplies were adequate to cover the current needs. Some off grade material was offered at $1.70 per pound, while edible grades were unchanged and steady at $1.81 to $1.89 per pound, barrels according to quantity. Technical was well held at $1.10 to $1.30 per pound, as to quality.

Dextrin, Corn—Active demand continued to absorb the output, with processors reported still behind delivery schedules. Prices were steady at the recent decline. British gum was quoted at $7.101 per 100 pounds in paper bags, carlots, canary, $6.841 and dark, $6.941, same basis. Prices for cotton bags were 20c. per 100 pounds above these levels.

Egg, Yolk—This market continued steady under good demand. Supplies were not plentiful but adequate to meet current demand. Prices ranged from $1.10 to $1.15 per pound, depending upon quantity.

Sago Flour—Offerings for spot delivery were freer, with trading reported light. Prices continued more or less nominal at 10c. to 12c. per pound, according to quantity. Arrivals totaled 2,590 bags at New York from Singapore last week.

Starch, Corn—Consuming demand continued excellent for prompt requirements. Deliveries were reported still delayed by the scarcity of boxcars. Prices were steady at the recent reduction, owing to the lower cost of corn. Pearl was quoted at $5.571 per 100 pounds, and powdered at $5.721 per 100 pounds in paper bags. Cotton bags were 20c. per 100 pounds higher. Visible corn supply decreased 324,000 bushels to 2,709,000 bushels for the week ended October 19, compared with 4,919,000 bushels, a year ago.

Starch, Potato—This market was firm and recent active trading has contracted for the production of Idaho and Maine mills for the balance of the year. Demand was active. Prices were unchanged and firm at 7.35c. to 7.60c. per pound, carlots, New York basis, depending upon delivery. Consuming inquiry was reported keen for early next year delivery.

Tapioca Flour—Trading was reported slow for prompt delivery here and for shipment from Brazil. Offerings of high grades for shipment were quoted at 11c. per pound, f.o.b. Brazil and low grades were reported easy at 6c. per pound, same basis, with bids at ½c. per pound below this figure. Arrivals totaled 51,370 bags at New York last week. Sizable quantities of tapioca flour were held aboard steamers in the harbor because of the maritime strike.

Tanning Materials

Chestnut Extract—Improvement was reported in the supply situation and offerings were increased for domestic use and for export. Market remains steady at former quotations.

Mangrove Bark—With tanners out of the market and liberal offerings for shipment, prices were entirely nominal. Imports of 5,350 bags of bark and 1,000 bags of extract were noted at New York for delivery on prior orders.

Myrobalans—Quiet conditions continued in this market last week. Producers were requesting bids for shipments with tanners out of the market. Prices were unchanged and merely nominal.

Quebracho Extract—Lack of information regarding prices and distribution of the extract by the Argentine government continued to check business last week. Some unsold old crop material was reported offered with sellers requesting bids. Arrivals were reported at 42,900 bags at Baltimore last week for delivery against former contracts.

Tara Powder—Recent arrivals have replenished tanners supplies of this material and buying interest was not as keen as a month ago.

Valonia—Inquiry for replacements was reported light. Offerings for shipment were materially reduced and prices were steady at former levels.

Wattle Extract—OPA removed controls on wattle and other tanning materials October 24. Consuming inquiry has been fairly active of late and trading should improve following the lifting of ceilings.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
296.0	296.0	296.0	300.5

(For Current Prices see Page 9)

For Late Market Developments, See Page 4

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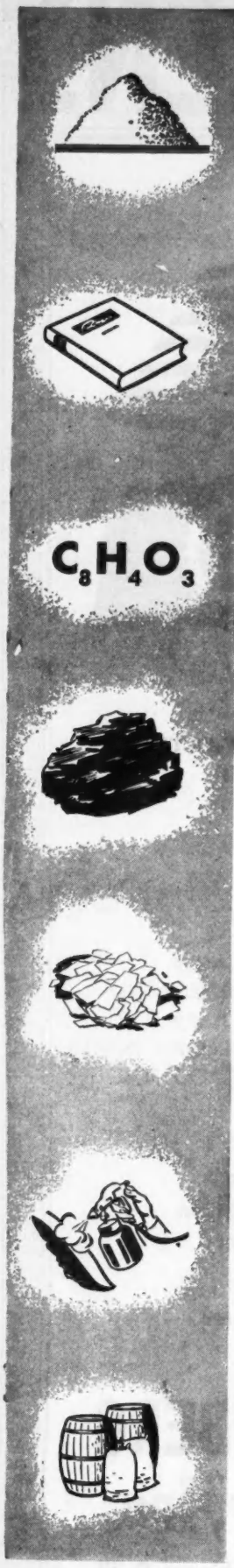
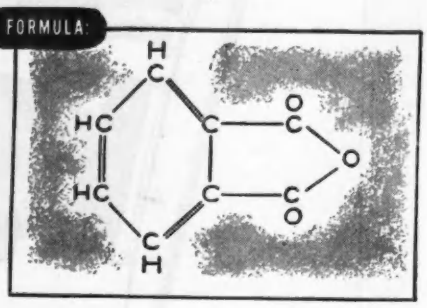


DEFINITION: Phthalic anhydride is the anhydride of phthalic acid (ortho dicarboxylic acid of benzene). It is a pure white chemical raw material in the form of small, free-flowing flakes.

HISTORY: Laurent and Marignac first obtained phthalic anhydride by warming phthalic acid with acetyl chloride.

FORMULA:



$C_8H_4O_3$

SOURCES: Phthalic acid was formerly prepared by oxidizing naphthalene with concentrated sulfuric acid in the presence of a small amount of mercury or mercuric sulfate. The anhydride is now manufactured catalytically by passing heated air and naphthalene vapor over vanadium pentoxide.

CHARACTERISTICS: Phthalic Anhydride forms, on sublimation, long tough crystalline needles although the predominating commercial form is pure white flakes. Slightly soluble in cold water and quite readily soluble in hot water to form Phthalic Acid. Minimum solidification point 130.5°C; boiling point 248°C.

USES: A raw material for many ester-type plasticizers for lacquers and industrial finishes. Basic material for anthraquinone, dyes, phenolphthalein, etc. Used in making synthetic alkyd resin finishes.

GRADES: Pure white flakes shipped in wooden barrels — even net weight 275 lbs. and in multiwall paper bags — even net weight 80 lbs.

This is one of a series of advertisements presenting information on basic coal-tar chemicals

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Coaltar Chemicals

Short stocks were noted in most of the basic coaltar chemicals last week. Production was a trifle lower, according to scheduled steel output which registered 90.3 percent of ingot capacity. There was no improvement in buying conditions for either crude or refined naphthalene. Pressure for shipments of crude naphthalene for the manufacture of phthalic anhydride remained heavy and will probably increase when a recently strikebound plant swings into full operation. Phenol was exceedingly tight, with shipments confined to contract accounts. There appeared to be no easement in sight for supplies of crude coaltar, creosote oil or cresylic acid. Pyridin stocks showed no appreciable expansion, the refined grades continuing definitely short. Production of toluol has been keyed to meet current inquiry without overloading the market. Xylol also seemed to be well balanced. Demand for benzol continued active, with consumers receiving prompt shipments in this area in sufficient volume to create a little tighter condition at the close of the week.

Anilin oil was available for prompt shipment in limited quantities for domestic use, although the principal movement was against existing contracts. Anthraquinone was very short and so was betanaphthol. In fact there did not appear to be any of the intermediates or acids that could be described as in free supply. Dyestuffs reflected the stringency in basic materials, with producers endeavoring to supply domestic requirements before considering export trade.

Steel operations for the week beginning October 24 were scheduled at 90.3 percent of ingot capacity, compared with 90.5 percent in the preceding week, according to the American Iron and Steel Institute. A month ago the indicated rate was 90.3 percent. The present schedule is equivalent to the production of 1,591,400 net tons of ingots and castings, compared with 1,595,000 tons in the previous week and 1,192,000 tons for the corresponding week in 1945.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
128.2	128.2	128.2	127.3

(For Current Prices see Page 9)

Basic Products

Benzol—Market position firm and in a satisfactory state of balance with more of a tendency to tighten than to ease. Most of the eastern consumers have been able to find supplies but there are still export orders open. There has been a steady movement of the nitration grade for the manufacture of anilin, chemicals and dyes while the varnish cement and also chemical producers have shown interest in the industrial grades.

Coaltar—Production is said to be moving too rapidly to permit any stock accumulations. Buying conditions remained very tight.

Creosote Oil—Trading conditions have not varied appreciably during the past month. Demand has continued exceedingly heavy and considerably above the supply limit. Production has been sold ahead for wood preservation requirements and it looks as though a tight market might be expected indefinitely.

Cresylic Acid—Stocks were reported short at the end of the month while consuming demand remained active for domestic. Imported acid has not arrived in sizable quantities of late and this with the high prevailing prices has kept trading comparatively quiet. The overall market situation was described as tight.

Naphthalene—More demand than supply at present. Stocks of both crude and refined naphthalene are short. Steady shipments to major consumers have kept the inventory position definitely tight, the call for crude from the makers of phthalic anhydride continuing exceedingly heavy with possibilities of increasing.

Phenol—No improvement could be noted in supply conditions. Leading producers are heavily sold ahead and the current movement is confined almost entirely to contract accounts. It will probably be a few weeks before one of the largest producers of synthetic phenol, recently strikebound, is able to swing capacity into normal dimensions.

Solvent Naphtha—August production of refined light solvent amounted to 45,031 gallons and 374,539 gallons of crude heavy solvent, according to the Bureau of Mines. July production registered 51,192 gallons of refined light solvent and 383,053 gallons of crude heavy solvent. Stocks at the end of August were 40,461 gallons of refined light, down 9 percent, and 253,015 gallons of crude heavy, down 8.7 percent, compared with July 31. Sales of light in August amounted to 23,473 gallons and of 358,448 gallons of crude solvent.

Toluol—Supplies have been kept at a level to permit prompt shipments to the lacquer, dyestuff and chemical industries. Production has been maintained to supply demand without creating excess material.

Xylol—Moved steadily in a well-balanced market with the lacquer trade experiencing little difficulty in securing requirements on a reasonably prompt basis.

Chicago, Oct. 25.—Orders for coaltar bases held up in fairly good quantity, while the general tone of the market was firm. Buyers were in the market for a fair amount of material. Benzol continued firm. Ruling prices exclusive of tax were:—Benzol, 50 percent, freight allowed, 15c. per gallon; 2-degree toluol, same basis, 22c.; 10-degree xylol, same basis, 29c.; industrial xylol, same basis, 22c.; solvent naphtha, same basis, 22c.; creosote oil, grade 1, 15½c.

Hydrogenated Solvents

Supply conditions were slightly tighter at the close than at the beginning of the month. The stringent position of phenol kept the production of cyclohexanol down and gave the impression that demand for cyclohinone was more active. There were no large offerings of either solvent on the market. Cyclohexane maintained a fair degree of balance, with shipments moving on a prompt basis to the lacquer and rubber industries.

Coaltar Acids

Anthranilic—No improvement in supply conditions could be noted. Production has supplied regular consumers in the dyestuff trade and others who have contract accounts, but there is a definite shortage of material for additional requirements at present.

Cleve's—Market tight with production moving rapidly enough to prevent any stock accumulation. Shipments confined to contract accounts.

Fumaric—Production of this acid has continued overtaxed with constant pressure for shipments. The principal movement has been directed to the manufacturers of synthetic resins and protective coatings.

H—Demand reported active for both home and export. Supply position short and reflects the cutback production of a major producer whose plants were inactive for a prolonged period as the result of labor difficulties.

Maleic—Remained in a definitely tight supply condition. Production has run behind consuming demand all

Coke By-Products

Estimates of by-product coke-oven operations in the week ended October 18 indicate the following output of by-products from that source:—

Ammonia liquor NH_3	lbs.	1,031,700
Ammonia sulphate	lbs.	26,715,600
Benzol	gals.	3,366,600
Coaltar	gals.	12,489,000
Creosote oil	gals.	705,040
Naphthalene, crude	lbs.	1,650,720
Phenol	lbs.	195,480
Toluol	gals.	673,320
Xylol	gals.	152,040

For Late Market Developments, See Page 4

Toluol

nitration grade * industrial grade

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KOPPERS BUILDING, PITTSBURGH 19, PA.

year. Requirements for synthetic resin have never been evened off.

Tobias—Position similar to other coaltar acids. Supply limited with shipments confined chiefly to consumers who have contract accounts.

Other Intermediates

Anilin—Market position has shown a better degree of balance during the past month. The active extent of consuming demand has kept inventories down but small lots of oil were available for prompt shipment at intervals and some could have been purchased last week at lately prevailing price levels.

Anthracene—Stocks have been kept at a low level throughout the month. Demand for dyestuffs and for use in the manufacture of anthraquinone has absorbed output readily.

Anthraquinone—No improvement in buying conditions could be noted. This material is essential to the manufacture of a wide variety of intermediates and dyestuffs and demand has overtaxed output. The tight position of phthalic anhydride and anthracene has been instrumental in keeping production down.

Betanaphthol — Production of this intermediate has not been sufficient to ease the supply condition. Stocks of resublimed and technical are definitely short at the present time and will likely remain so until basic materials are available in larger quantities.

Diphenylamine—Short stocks have held buying conditions exceedingly tight throughout the past month. Cutback production combined with the stringency in basic material prevented any improvement in the market's supply condition.

Nitronaphthalene — Stringent conditions which have featured naphthalene during the past few months have kept production down. Buying conditions are definitely tight.

Paraphenylenediamine — Production has not been equal to the demand for this material. Difficulty experienced in securing phenol has kept output down.

Phthalic Anhydride — Demand for synthetic resins for automobile and various other enamel type finishes as well as ester-type plasticizers has kept considerably ahead of production. Producers are taking all the crude naphthalene possible but are still behind on deliveries of phthalic anhydride. Buying conditions continue definitely tight.

Coaltar Colors

Supply conditions did not improve to any appreciable extent during the past month. Demand has exceeded production and left the overall market in a tight position. Manufacturers have experienced difficulty in securing many basic materials and this has checked progress in expanding output. Producers state that strike conditions in the textile industry have not restricted shipments of dyestuffs in all materials, as there is a policy to build up reserve stocks in view of the shortages prevalent.

Synthetic Organic Chemicals Report Issued

United States wartime production of synthetic organic chemicals reached a peak in the year 1944, according to a report just released by the United States Tariff Commission. Outstanding in the items of production were synthetic rubber, coal-tar, intermediates, and plastics materials. Copies of the report, "Synthetic Organic Chemicals, United States Production and Sales, 1944" (Report No. 155, Second Series), may be purchased from the Superintendent of Documents, Government Printing Office, Washington 25, D. C., at 25 cents each.

Trade Briefs

Ansco Division of General Aniline & Film Corporation announces cost-of-living pay increases totalling $450,000 a year for its 1,900 salaried employees.

United States Steel Corporation, New York, has added to its public relations staff Kenneth Austin, since 1927 financial writer for the "New York Times."

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BETHLEHEM STEEL

Mixed Fertilizer Bill

—Continued from page 7

content of the mixed fertilizers now being produced.

The requirement is found in section 10 of the bill which reads as follows:—

Minimum plant food content. No superphosphate containing less than 18 percent available phosphoric acid, nor any mixed fertilizer in which the sum of the guarantees for the nitrogen, available phosphoric acid, and soluble potash totals less than 20 percent shall be offered for sale, sold, or distributed in this state except for complete fertilizers containing 25 percent or more of their nitrogen in water insoluble form of plant or animal origin, in which case the total nitrogen, available phosphoric acid, and soluble potash need not total more than 18 percent.

Provision is made in the bill for the assessment of penalties for deficiencies in the guaranteed nutrients which are to be paid to the consumer of the lot of mixed fertilizer or fertilizer material represented by the sample analyzed. Payment must be made within three months from the date of notice by the state inspector. These provisions of the bill are comparable to those now in force in the state of North Carolina.

The bill also provides for the registration of each brand of mixed fertilizer or fertilizer material before being offered for sale accompanied by a guaranteed analysis showing the minimum percentages of plant food. Each and every brand of mixed fertilizer must remain uniform for the period of registration, and in no case, even at a subsequent registration, shall the grade of quality be lowered.

Another provision of the bill requires the state authority, after a public hearing and upon approval of the director of the Agricultural Experiment Station, to promulgate a list of grades of mixed fertilizer adequate to meet the agricultural needs of the State. After this list of grades has been established, no other grades of mixed fertilizers would be eligible for registration, except that higher multiples of the ratios carried by the approved grades may be permitted with the approval of the state authority and the director of the Experiment Station. Revisions in the list of grades could not be made more often by the State authority than once a year.

False or misleading statements are made unlawful as well as any misleading or deceptive trademark or brand name in connection therewith.

All persons registering mixed fertilizers and fertilizer materials under the law would have to furnish a confidential written statement of the tonnage of each grade of fertilizer sold by him in the state. Failure to submit such information would be followed by cancellation of the registration. These reports would cover the period from July 1 to December 31, and from January 1 to June 30.

The state authorities would be required to publish at least annually information concerning the production and use of mixed fertilizers and fertilizer materials and a report of the results of the analyses based on official samples of mixed fertilizers and fertilizer materials sold within the state. This information would be made public twice a year covering the first six months of the fertilizer year and the later six months.

Livingston Made Penick Sales Assistant

Arnold M. Livingston has been appointed sales assistant in the insecticide department of S. B. Penick & Co., producer and manufacturer of botanical drugs and medicinal chemicals, New York. Mr. Livingston is a graduate of Alfred University and prior to his connection with the Penick firm, he served more than three years in the U. S. Navy, attaining the rank of Lieutenant, Junior Grade.

Barada & Page to Open St. Louis Office, Warehouse

Barada & Page, Inc., agricultural and industrial chemicals, Kansas City, Mo., will open a new office and warehouse at 1939 South Vandeventer avenue, St. Louis, on November 1. Telephone number at the new office, which is the company's eighth location in the southwest area, will be Laclede 3436.

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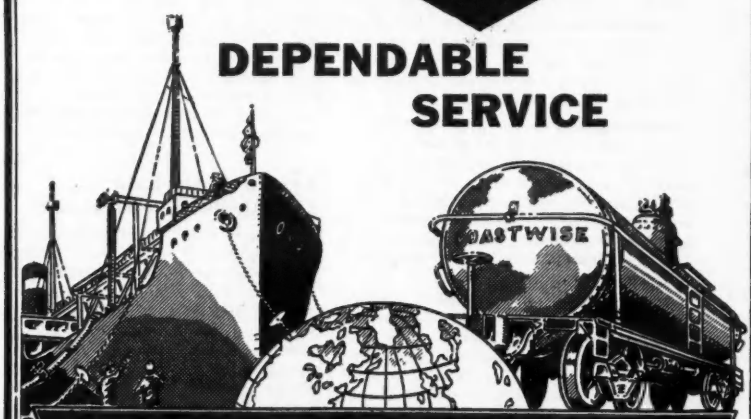

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Agricultural Chemicals

Market conditions in ammonia sulphate, muriate of potash and superphosphate revealed no important change at the close of the month. Demand was active and broad enough to hold the overall situation tight with the movement confined mostly to contracts held by fertilizer mixers. Inquiry for nitrate of soda has increased and a larger tonnage could have been shipped if stocks were available. Nitrate solutions appeared to maintain a fair degree of balance with demand. Calcined carbonate of potash has commanded increased attention from tobacco farmers in the Connecticut Valley. The organics have been subjected to considerable price confusion. After revising the price of fish meal and scrap, OPA abolished price regulation. Dried blood and tankage were also decontrolled and the markets advanced sharply with relatively little material changing hands. Sellers of cottonseed meal asked $100 a ton in the South with few regular transactions reported and the desire to barter diminished by the establishment of a free market. Early in the month the disposition was to trade cottonseed meal for scarce fertilizer materials, such as sulphate of ammonia, superphosphate and tankage. This pressed fertilizer manufacturers hard to dispose of any of their fertilizer materials, but it was the only way they had of securing oil meals for their tobacco trade until the price ceiling was lifted.

In the insecticide chemicals, arsenite of soda has advanced with production for 1947 sold and demand unsatisfied. Higher prices are expected to be announced shortly for calcium arsenate, lead arsenate and paris green.

Nitrogenates

Ammonia Sulphate—Bureau of Mines places August production at 130,501,766 pounds, compared with 129,729,999 pounds in July. Stocks at the end of August were 77,218,216 pounds, against 94,387,265 pounds on July 31. Sales in August were given at 146,212,042 pounds, compared with 85,277,472 pounds in the preceding month. At present, production is being maintained at a level higher than a year ago. The movement is confined mostly to contracts held by fertilizer mixers.

Castor Pomace—Continued to make progress in evening off contract schedules, although no additional quantities were offered in the open market.

Dried Blood—Prices were advanced for this material with a free market established by the lifting of ceiling prices. There was no influx of stocks for sale as packing-house production has just about started and it was expected to take about ten days before byproducts will be made available. Packers were not inclined to offer until they had material on hand. The best price heard was $10.00 per unit ton for domestic and a slightly higher figure for South American stock.

Soda Nitrate—Buying conditions have continued tight with inquiry for agriculture steadily increasing. While domestic output has been held down by the stringency in basic material, it is expected that importations will increase by the end of the year. Farmers, however, would like to cover part of their future requirements now. Importations of 6,320 bags from Salaverry were noted last week.

Tankage—Higher prices were established during the week with domestic material bringing $10.00 a unit ton on spot. While stocks were scarce, prospects were improved by the expansion in packing-house operations. Feeders are taking stocks at the higher level.

Phosphates

Phosphate Rock—Delays in receiving materials for repair and expansion work have kept output from reaching capacity levels. Demand for home and export requirements is ahead of production and the market's tight position has been sustained. Florida land pebble has commanded considerable attention for export. Domestic shipments are reported somewhat behind schedule at present.

Superphosphate—Bureau of Mines places August production at 621,478 tons of normal 18 percent and at 28,730 tons of concentrated 45 percent. Stocks of normal on August 31 were 592,294 tons and 46,507 tons of concentrated. Total supply of normal superphosphate showed an increase during August for the second consecutive month. Disposition exceeded production for the first time since May of this year and showed a 20 percent increase over the previous month while production increased but slightly. Stocks remained at the July level, approximately 25 percent below stocks on hand a year ago. Disposition of concentrated superphosphate during August was greater than at any time since February 1943.

Potashes

Inquiry for muriate continued heavy with shipments under allocation. Steady production is moving as rapidly as transportation will permit while reports were current that some mixers are short on superphosphate and ammonia sulphate thereby delaying operations. Cutback in the amount of potash allocated for chemical use has checked progress in expanding production of some of the potash chemicals. There is more demand for calcined carbonate of potash for future tobacco cultivation than the market can comfortably handle at present.

Insecticides

New prices are expected to be announced for calcium arsenate, lead arsenate and paris green next month. Owing to the higher prices prevailing for basic materials, a higher market range is expected to become effective. Soda arsenite has been advanced 1½c. a pound for carlots, making the present selling level to dealers 9¾c. a pound in drums. Smaller quantities are held at 10½c. to 11½c. a pound, according to size and all prices are f.o.b. works. It is necessary to produce soda arsenite during cold, dry weather and material is now being made for delivery through 1947. Demand is considerably above the producing limit which is necessarily restricted by the shortage of arsenic. Producers state that their entire output is under contract for the coming year. The outlook for rotenone appears to be improving although the movement of late has been retarded by the shipping and trucking strikes. Under the current ODT ruling, many shipments must pay the l.c.l. rate because carlots must be loaded to visible capacity.

Sulphur and Pyrites

Sulphur demand has continued heavy and is said to compare favorably with that of a year ago. Stocks are ample to meet requirements and while the boxcar situation is not too favorable, no serious delays in transportation have been reported to date. According to trade reports, shipments of pyrites will be augmented from a new source in Canada after the turn of the year. It is stated that some other deposits have been found in western Canada but freight rates will prevent shipments to the East. Output is heavily under contract for Canadian material and only occasional lots of Spanish pyrites are arriving. The overall market position is tight and firm but without price change.

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Dried blood, $4.47 per unit ton.
Soda arsenite, 1½c. per lb., works, to dealers.
Tankage, $4.47 per unit ton.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
72.1	72.1	72.1	71.8

(For Current Prices see Page 9)

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OPD—10-28-1946 52

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Drugs and Fine Chemicals

Demand for drug and fine chemicals continued to be excellent last week. Supplies of many articles were considerably less than the actual requirements of the country. This was particularly so as regarded methanol, formaldehyde, glycerin, practically all salicylates, minor alkaloids, quinine and cinchona bark derivatives, alcohol, and codliver oil—to mention a few of the more prominent articles in that category. Prices held generally steady. Those on amyl acetate made from pentane were higher but those on domestic corn syrup and Brazilian menthol were lower. Liquid and dry corn steep liquor used in penicillin manufacture was removed from price control. Inactive yeast and its derivatives used in animal feeds was removed from price control. Also, castor beans, USP and No. 3 castor oil, and blood fibrin, used to produce protein hydrolstate, a source of amino acids.

Beneath the surface of the market was a quiet unrest that related to prices generally and the decontrol situation in particular. The tendency is for price controls by the Office of Price Administration to be lifted. Numerous articles formerly under specific price control are no longer in that situation. Many others, presumably, are still subject to the confinements of the General Maximum Price Regulation and people are at least thinking about OPA freeing the entire group now that the eventual elimination of OPA is scheduled by law.

More specifically, the products derived from opium—especially codeine, morphine and apomorphine—stand at present prices because OPA does not permit manufacturers promptly to reprice their products in line with an actual advance in replacement costs. Opium is sharply higher than it was when present codeine and morphine price were established. Once actual production from higher cost opium starts, price relief on the derived products will be indicated.

According to the Department of Commerce, in the drug and fine chemicals category the alkaloids made their best import showing since last March. June arrivals exceeded those in April and May while the six months' totals record outstanding increases in nearly every every item.

Exports of biological and glandular products in January-June, 1946, totaled $6,547,248, a gain of 17 percent over the corresponding period in 1945. June production of penicillin totaled 1,911 billion units and output in the six month period was 11,027 billion units or an increase of 264 percent over the comparable period in 1940. Vitamin A production in January-May was 21.8 trillion units, against 21.6 trillion units in the 1945 period.

Exports of medicinal and pharmaceutical preparations in June amounting to $15,820,402, was the highest monthly dollar volume to date this year. It was an increase of 15 percent over May and 43 percent above June, 1945.

Acetanilide—Available only in conservative quantities but resumption of major production once more should ultimately return the item to more satisfactory position.

Acetone—Holding steady at the recent advance in price. The article is free from price control and values in the future will be established by supply vs. demand and not by edict. And the call is certain to remain large.

Acid, Acetylsalicylic—The shortage in supply that developed during a recent strike that closed the plant of a major producer for about four months will be relieved ultimately when production returns to normal volume. However, there are a lot of back requirements to be filled before creation of normal stock reserves will be possible.

Acid, Ascorbic—Selling steadily and freely in good volume at prices generally steady.

Acid, Hydriodic—In keeping with the substantially stable position of basic raw material, this acid showed a steady position. Demand was purely routine but prices were well maintained.

Acid, Mandelic—The available supply was equal to the present call for prompt deliveries by consumers. Pricewise, the market retained stability as its principal feature and competition, while possibly tending to increase, was a negligible factor in operations last week.

Acid, Nicotinic—No further price reductions have been made and the market has apparently turned into the path of increased steadiness in values. Demand was normal and the supply was not excessive.

Acid, Salicylic—Supplies of U.S.P. material are likely to undergo some improvement but much of the current production will be promptly absorbed in other manufacturing operations connected with merchandise lately in low supply and excellent request.

Acid, Tannic—The not excessive availability of basic raw materials keeps production of this article within not too wide limits. And demand for the item acts actively in the full support of prices.

Acid, Tartaric—The spot market has a slightly softer aspects. Although producers retained prices unchanged last week, in the open market talk of price shading at times was heard when competition forced the issue. The tendency of prices to move in buyers' favor has not ended.

Adeps Lanae—Conditions still were more favorable to buyers than sellers. Open quotations lacked change last week but competition was still rather keen and the market did not lack a tendency toward price shading.

Agar—Japanese material will soon be on the market. A government agency has received 460 bales of agar from Japan. It will be sold by the agency in sealed bids in lots of approximately 20 bales with a maximum of three lots to any one bidder.

Alcohol—General industry continued to take substantial quantities of denatured alcohol and the movement of pure alcohol was also substantial. Withdrawals from the government stockpile were large but distinctly necessary because of the limited output of the distilleries at this time. More grain is being allocated for production by distillers. The increase works out at 16 percent and each distiller may, during the calendar month, use grain in a quantity not to exceed the greatest quantity as computed by one of the three following methods:—

1. Five times that portion of the daily mashing capacity of each distilling plant which is not in excess of 5,000 bushels; plus four times that portion of the daily mashing capacity which is in excess of 5,000 bushels but not in excess of 10,000 bushels; plus three times that portion of the daily mashing capacity which is in excess of 10,000 bushels, or,
2. Three times the daily mashing capacity of each distilling plant, plus 3,000 bushels per plant, or,
3. Six thousand bushels per distilling plant. Provided however that all grain used in October, 1946, under any allocation in effect prior to today's amendment shall be chargeable against the October, 1946, quota as computed under today's amendment.

Ammonia Chloride — Wholesalers have protected their Winter need of the U.S.P. article in fairly good fashion but the orders for moderate quantities still come in steadily.

Amyl Acetate—The producer of this article from pentane advanced prices late in the previous trading period. Tanks became 18.1c. per pound; drums, carlots, 19.1c.; less carlots, 20.1c.

Apomorphine—Once the producers begin to fabricate this article from opium at today's higher cost, permis-

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Amyl acetate, ex pentane, 2.6c. per lb.

Prices Reduced

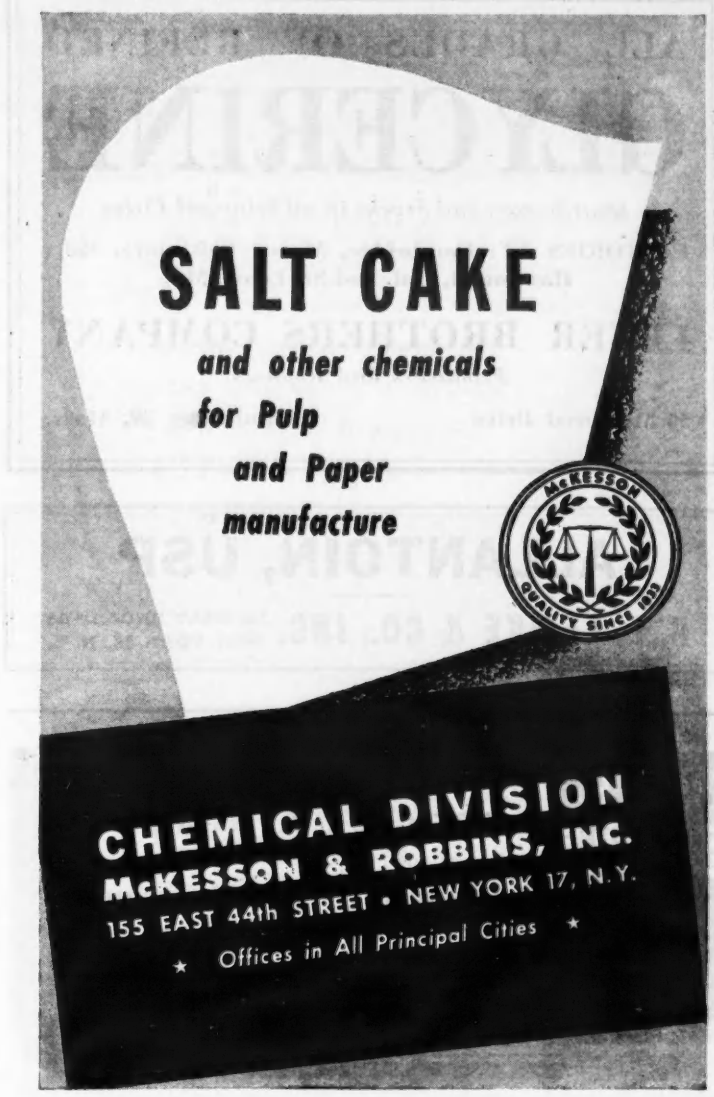
Corn syrup, domestic, 50c. per 100 lbs.
Menthol, 40c. per lb.

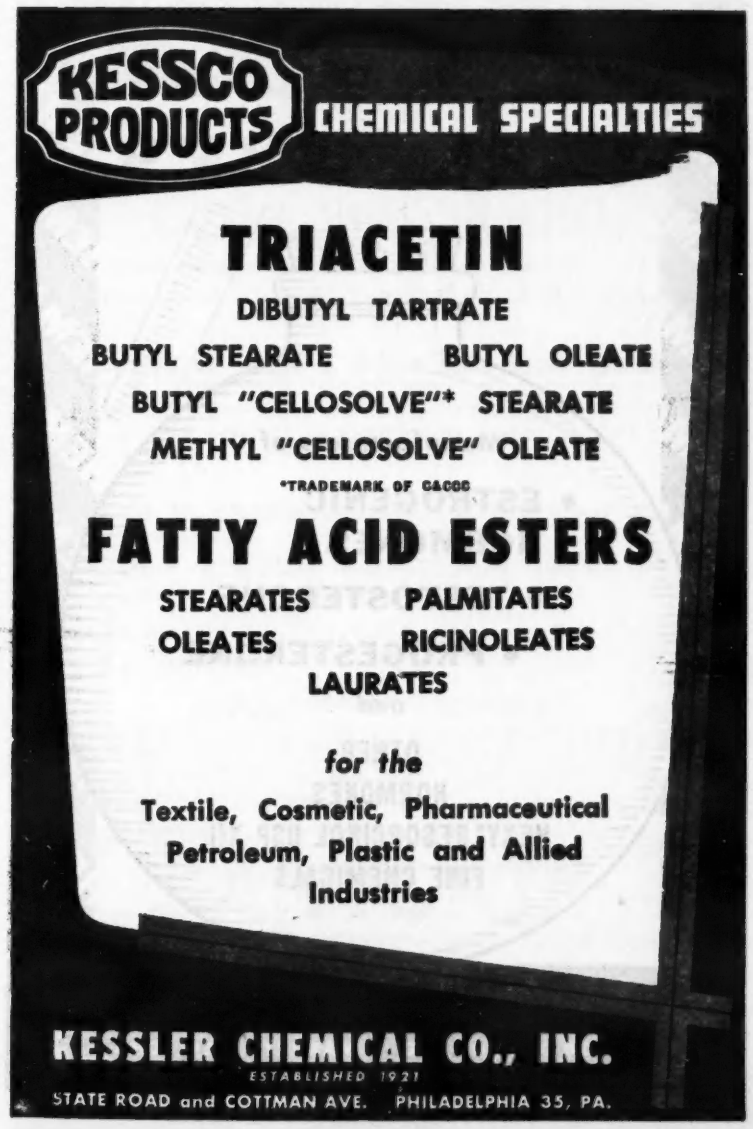
Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
244.1	245.5	218.1	205.0

(For Current Prices see Page 9)





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sion to advance quotations on this derivative is likely to be requested of OPA.

Argols — Prices were apparently without change but it was not clear that they were actually holding at $35 per 100 kilos, 100 percent purity, in foreign markets. An arrival of 500 bags from Catania, Spain, was noted during the past week.

Atropine—The supply of raw material in this country has been almost exhausted. Prominent operators are reserving most of their supply of belladonna for their own manufacturing purposes in order to prevent the development of truly acute shortage of atropine.

Brucine—According to the latest report of imports issued by the Department of Commerce, importations last May were as follows:—From Canada, 656 pounds; from United Kingdom, 295 pounds; and from Switzerland, 188 pounds.

Cadmium — Metal remained very firm, was in low supply when the needs were considered, and moved without benefit of competition worthy of the name. A report from London said ingots were quoted about $1.50 per pound there, which contrasts with this market at $1.30 to $1.50.

Caffeine—According to a report issued by the Department of Commerce, in the period January-June, this year, 163,638 pounds were imported. Brazil has been supplying this article in increasing quantities since the inception of a production industry in that country.

Castor Oil—OPA removed both beans and U.S.P. and No. 3 oil from price control on October 23. Beans have been arriving once more, the recent harbor strike having tied up ships and hindered unloading of beans from Brazil. In the past two weeks, 58,188 bags reached this country, weighing 8,728,200 pounds. These arrivals brought the total of arrived beans to 1,040,344 bags, or 156,201,600 pounds since January 1. This total compares with 1,496,306 bags, or 224,445,900 pounds arrived in the corresponding period in 1945.

With raw material arrivals being so sharply off and with demand for oil never having equaled that of the present time, the position of castor oil continued to be very tight.

Chicago, Oct. 22. — Castor oil prices are:—Cold pressed, U.S.P., 15c. per pound, returnable drums, carlots; 15¾c., drums, less than carlots; tanks, 14¹ No. 3, extracted, 14¾c., drums, carlots; 15c., drums, less than carlots; 14c., tanks.

Codeine—It appears that higher prices for this article are at least potential. Once production starts from opium at its present higher cost, OPA permission to raise codeine prices would likely be requested.

Codliver Oil—The market continued short in unsold oil and subject to sustained and pressing demand from potential buyers. During the past week, 550 barrels reached here from Bergen, Norway, and 1,581 drums came in from Reydjarvik, Iceland, but much of this arriving material had been engaged prior to reaching this country.

In the first six months of 1946, imports totaled 10,848,245 pounds.

Corn Syrup—Because corn has been more plentiful and available at easier prices at times, the domestic producers of this syrup reduced prices in carlots to $6.277 per 100 pounds.

Emetine Hydrochloride—Brazil has been shipping this item and according to the latest report by the Department of Commerce, the imports here of

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Brazilian material during the month of May totaled 38 pounds.

Ephedrine—Seasonal expansion in needs for this article has been noted and the market was more than usually active. Prices retained substantial strength because of the prevailing cost of production acting as a deterrent to more lively competition in terms of prices.

Formaldehyde — Consumption ran to large figures and no surplus of supply was reported. Nor is it likely that the unsold stocks will gain substantially.

Glycerin—The tendency in raw material prices at least suggests the possibility of an eventual lifting of ceilings. The whole tendency is for raw material costs to rise and, considering the world price for glycerins at this time, the present quotations of the domestic refiners would seem to be so low as to cause any rise in raw material to be reflected in the selling prices for all kinds of glycerin. The prices on edible tallow have been decontrolled as also have some oils that can be used by soap makers. An arrival of 137 drums from Buenos Aires was reported last week.

Chicago, Oct. 22. — Glycerin prices are:—C.p., tanks, 18c.; drums, c.l., 18¼c.; l.c.l., 18¾c.; high gravity, tanks, 17½c. to 18c.; drums, c.l., 17½c. to 18c.; l.c.l., 18c. to 18¾c. Chemically pure, 18c. per pound, tankcars; 18½c., drums, carlots; 18¾c., drums, less than carlots.

Menthol—Substantial interest attached to the government sale of 441 cases of Japanese menthol recently arrived here and now offered for competitive bidding to buyers. The goods will be sold in lots of about 25 cases with a maximum of three cases to any one bidder. These cases contain the usual 60 pounds of menthol and will restore the basis for possible competition between Brazilian and Japanese menthol, a competition absent from this market during the war. Bids have to be filed on or before October 25. Spot prices for menthol were lower at $7.80 to $8.05 per pound.

Mercurials — Holding generally steady regardless of the prevailing market on raw material—which is much lower than it was when the mercurial schedule was last changed. Demand for hard mercurials continued active.

Methyl Salicylate—Settlement of a strike that for four months had checked normal production of one of the leading suppliers will eventually restore a normal balance of supply and demand for this salicylate. The article was hard to get in the open market.

Opium—Importations in the first six months of this year were less than those in the corresponding months of 1945. The six-month total in 1946 was 209,170 pounds, contrasting with 276,811 pounds in the similar 1945 period.

Penicillin—The Office of Price Administration on October 22 removed from price control a product known as corn steep liquor in both liquid and dry form. It is an essential broth ingredient for mold growth.

Quicksilver—Holding very steady. Foreign metal arriving on this market is being absorbed with fair promptness. The unsold supply of domestic metal—other than in the government stockpile—was reported to be comparatively small and not likely to increase. Italy was reported offering 3,000 flasks in 1,000 flask lots at $83.50 per flask, New York basis. The metal is in Genoa.

San Francisco, Oct. 23.—The quicksilver market retained its steady tone here this week. Inquiry was good, but very little spot metal was available. Metal was being quoted around $96 per flask, f.o.b. San Francisco.

Quinine—The Department of Commerce has presented a report of importations of this article. In the period January-June, 1946, 13,526 ounces of sulphate reached here. Also, 85,073 ounces of quinidine and 24,000 ounces of other derivatives of cinchona bark.

Strychnine—The supply of raw material arriving here increased in the first six months of 1946. The total was 1,590,640 pounds, which compares with 433,116 pounds landed in the corresponding period in 1945. The importations of strychnine alkaloid in the same period was 3,692 ounces this year.

Theobromine—During the January-June period in 1946, the total imports

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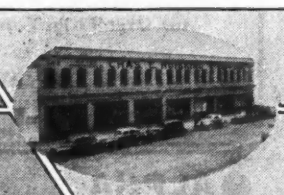

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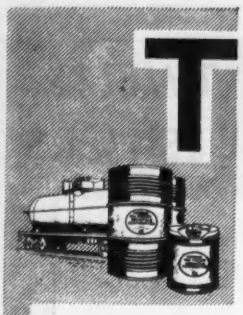

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of alkaloid was 90,694 pounds. The Department of Commerce report gives no comparative figures for the corresponding period in 1945.

NWDA Appoints Four Key Chairmen

Chairmen to head the four key standing committees of the National Wholesale Druggists Association have been named by C. C. Caruso of Schieffelin & Co., president of the association. They are:—

Distribution, Harold M. Altshul of Ketchum & Co. Employer and Employee Relations, Charles D. Doerr, vice-president of McKesson & Robbins. Sales management, Charles T. Lipscomb, jr., of McKesson & Robbins, all of New York city, and Operations, George W. Kauffman, of Kauffman-Lattimer Company of Columbus, Ohio.

Other committee chairmen named included:—Entertainment, John McPherrin, American Druggist; Active Membership, Henry Fairchild, Hazelton & Perkins, Grand Rapids, Mich.; Associated Membership, W. E. Powell, B. F. Goodrich Company, Akron, Ohio; Insurance, J. A. Robinson, McKesson & Robbins, Inc., New York; Legislation, William G. James, Towns & James, Inc., Brooklyn, N. Y.; Local Associations, Frank W. Webb, Southern Drug Company, Jacksonville, Fla.; Memorials, W. S. Auchincloss, Oil, Paint and Drug Reporter, and Rates and Routes, R. B. Magnus, Magnus, Mabee and Reynard, New York.

The new executive committee will hold its first meeting on October 25 at the New York headquarters.

Wyeth Names Scott West Coast Manager

Wyeth Inc., pharmaceuticals, Philadelphia, has advanced Everett V. Scott from assistant general manager of Wyeth operations on the West Coast to the full title of general manager. He succeeds Clyde C. Marshall, who has been transferred to the Chicago laboratories.

Rohm & Haas Develops Mildew-Proofing Agent

Rohm & Haas Company, Philadelphia, has developed a new mildew-proofing agent which is said to be effective against destructive fungi in the treatment of walls in cellars and closets and for mildew-proofing shoes and other leather goods.

Royal Pharmacal Elects Moyer Vice-President

Sidney L. Moyer has been appointed coordinating vice-president of the Royal Pharmacal Corporation. He was formerly general manager in charge of the company's Chicago plant, but in his new post is stationed in New York.

Mr. Moyer will direct centralized purchasing, inventory control, development of product standards, new products, packaging developments, institutional and distributional trade media advertising, special sales promotion, point of sale media and development of specialized sales merchandising.

Joining the organization ten years ago as assistant general manager of the Chicago factory, Mr. Moyer subsequently was elected a director and later was promoted to general manager.

Trade Briefs

Ciandall Supply Company has been formed in Binghamton, N. Y., to deal in pharmaceutical products.

Unison International Corporation has been organized in New York to deal in pharmaceutical supplies.

E. M. Gilbert, professor of botany at the University of Wisconsin, has retired after thirty-six years of service.

Protektron Corporation has been organized in Buffalo, N. Y., for the purpose of manufacturing disinfectants.

Roche Anniversary Foundation, Nutley, N. J., has endorsed a two-year fellowship in pharmacology and therapeutics at the University of Illinois' College of Medicine. K. K. Kimura has been named fellow for the 1946-7 term.

APMA Forms Research Board and Subcommittees

The American Pharmaceutical Manufacturers' Association has formed three new committees, a research board, a subcommittee on minimal laboratory standards, and a subcommittee on sanitary conditions.

The research board, under the chairmanship of Dr. Theodore G. Klumpp, president of the Winthrop Chemical Company, has as its goal the development of a long range program of scientific research under the sponsorship of the association. Dr. R. J. Fosbinder, president of the Baltbie Chemical Company, is vice-chairman of the board.

The subcommittee on minimal laboratory standards, whose chairman is Dr. Noel E. Foss, of the Calco chemical division of the American Cyanamid Company, Bound Brook, N. J., will establish production standards for non-official drugs.

The subcommittee on sanitary conditions in the drug industry, under the guidance of Dr. D. M. Copley, of the Norwich Pharmacal Company, will define sanitary production and guides.

State Dept. Granting Passports to Germany

OPD Washington Bureau

The Office of International Trade has announced that the State Department is now accepting applications from American business men desiring to go to Germany for export trade purposes. Application should be made to the passport division of the department, instead of the European division of the Department of Commerce, as heretofore.

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Commerce Dept. Names New District Managers

OPD Washington Bureau

The Department of Commerce has appointed three managers for newly opened district offices in its field service. Victor B. Jaeggli has been named head of the San Antonio, Tex., office; Henry H. Ritter, head of the Texarkana, Tex., office, and William Seltzer manager of the Miami, Fla., office.

Prior to entering the Army in 1942, Mr. Jaeggli was chief of the construction projects section of the National Youth Administration. Mr. Ritter was formerly surplus property specialist and acting district manager of the Reconstruction Finance Corporation in Texarkana, and Mr. Seltzer was formerly district manager of the RFC Miami office.

Dr. Rossini Chosen For Int'l Chemistry Post

OPD Washington Bureau

Dr. Frederick D. Rossini, chief of the thermochemistry and hydrocarbons section of the Bureau of Standards, has been elected president of the standing committee of thermochemistry of the International Union of Chemistry.

Composed of leading chemists from Poland, France, Belgium, Holland and the United States, the committee works toward international agreement on standards used in thermochemical investigations.

Dearing Gets New Post In U.S. Health Service

Dr. W. Palmer Dearing has been appointed chief of the division of commissioned officers, with the rank of medical director, of the United States Public Health Service.

Dr. Dearing came to the division of commissioned officers in May, 1946, from the division of public health methods where he had served as deputy chief.

Abbott Laboratories Upheld In Patent Infringement Suit

The United States District Court for the Northern District of Illinois, Eastern Division, Chicago, recently sustained U. S. Letters Patent No. 2,367,302 owned by Abbott Laboratories, Chicago, covering such bisulphite derivatives of 2-methyl-1, 4-naphthoquinone as Hykinone (Abbott's Menadione Bisulfite, U.S.P.).

The decision came in a lawsuit involving patent infringement brought by Abbott Laboratories, in which it was charged that M. G. Farnsworth, had been making, using and selling products, and using processes, covered by this patent since it was issued January 16, 1945.

In the final judgment by consent, the court enjoined, as of October 1, 1946, M. G. Farnsworth and agents from making, using, selling or employing the processes covered by Abbott Laboratories patent.

Steel Shipping Barrels Output Up in August

Production of steel shipping barrels, drums and pails during August increased slightly, with the industry producing 2,393,204 heavy-type barrels and drums, 845,632 light-type barrels and drums, and 5,424,113 steel packages, kegs and pails, according to a report by the Bureau of the Census. This compared with the production of 2,030,783 heavy-type barrels and drums, 711,692 light-type barrels and drums, and 4,236,467 packages, kegs and pails.

Trade Briefs

Meyers Chemical Corporation has been organized in Brooklyn, N. Y., to deal in chemicals, drugs and colors.

Gulf Coast Industries, Inc., chartered under Delaware laws to deal in chemical products, will open offices at 420 Lexington avenue, New York.

J. C. Leonard has been appointed Sales Manager of the Industrial Marketing Division of Oakite Products, Inc., New York. Mr. Leonard has been with the Oakite company for more than twenty years, the last sixteen as manager of the Chicago Division.

OPA Names Lieberman To Consumer Goods Post

OPD Washington Bureau

Jerome S. Lieberman, jr., has been appointed assistant director of the Consumer Goods Division of the Office of Price Administration, replacing Gardner Ackley, who resigned some weeks ago to return to the University of Michigan as assistant professor of economics.

Import Duties Listed

The Department of State has issued a new publication entitled "United States Import Duties, June 1946." The new volume contains dutiable and free lists of the tariff act of 1930; changes in rates of duty since passage of that act; import-excise taxes imposed since passage of the tariff act of 1930 and information on executive authority to reduce duties under the trade agreements act.

Copies may be purchased from the Superintendent of Documents, Government Printing Office, Washington 25, D. C., at 70c. per copy.

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Amer. Organic Chemical Corp. Formed in N.J.

Stanford L. Hermann, who has terminated his connection as vice-president and a director of the Apex Chemical Company, New York, has organized the American Organic Chemical Corporation, Linden, N. J., for the manufacture of pure organic chemicals and pharmaceutical products.

His father, Dr. Seymour M. Hermann, who has resigned as president and a director of Apex, will hold an advisory position with the new firm and will also act as a consultant to the trade in the textile, leather, paper and allied chemical specialty fields. He can be reached at 23 West Seventy-third street, New York 23, or at the offices of the new firm, 1300 Allen street, Linden.

Warner Co. Buys Courtley And Bathasweet Corp.

William R. Warner & Co., pharmaceutical manufacturer, New York, has purchased the Bathasweet Corp. and also Courtley Ltd., manufacturer of a line of men's toiletries. C. A. Pennock, president of the Hudnut Sales Company, will direct the activities of the new subsidiaries of Warner & Co. M. M. Ricketts, also sales manager of Standard Laboratories, will be general sales manager.

Gregg Heads Southern Region for Nuodex

George W. Gregg has been appointed sales manager of the new Southern region, of the Nuodex Products Company, Elizabeth, N. J. The address is 411 Bienville street, New Orleans 16, La.

Indulin Tests Described

A 32-page booklet, "Indulin for Reinforcing Rubber," has been published by Industrial Chemical Sales, a division of the West Virginia Pulp & Paper Company, 230 Park avenue, New York 17, N. Y. This booklet describes tests demonstrating some of the novel properties of 'Indulin' reinforced rubber; suggests some of its unusual possibilities; and outlines coprecipitation and compounding procedures found desirable with 'Indulin.'

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DDT, AND PYREFUME SUPER 20	For livestock sprays
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Botanical Drugs, Spices, Gums

Demand freshened last week in the market for botanical drugs. Current requirements and purchases, plus strength in replacement costs, brought medicinal items to higher levels in some instances and emphasized market strength in all save some articles that had been marked for an easier price trend in recent weeks. That trend was extended during the period under review. Condimental items—mainly seeds—turned against buyers and closed much firmer.

The question of replacement supplies of imported botanical drugs was aggravated last week by the inability of importers to get goods out of ships' holds and into dealers' warehouses. Strikes, lack of pier workers and unskilled dock hands, and insufficient customs employees all combined to pile up botanicals at the piers and to delay the inspection of goods that could be unloaded. Importers demanded relief last week.

The Department of Commerce has issued a report on importations of botanical merchandise in the period January - June, 1946, in comparison with the corresponding months in 1945. Accepted without detailed analysis, this report could lead to distinctly misleading conclusions. One of them could be that imports of medicinal barks, beans, berries, flowers, herbs, leaves, roots, and miscellaneous items gained in 1946 over 1945 for the period specified.

That was not the fact. The total import of specified and unspecified medicinal botanicals dropped from 9,526,443 pounds in 1945 to 6,480,725 pounds in 1946. The misleading conclusions from the Department of Commerce totals may arise from the fact that totals combine strictly medicinal botanicals with other botanics whose outlet is not strictly and completely medicinal.

Imports of balsams gained 69,790 pounds in the 1946 period. Arrivals of aromatic and mucilaginous gums increased 5,027,065 pounds in the 1946 period. This large increase came in gums used heavily in the textile industry. Licorice root imports were up 10,546,810 pounds, and the tobacco industry takes most of the licorice. Finally, a group composed of agar, aloe, coca leaves, and nux vomica showed imports larger by 675,454 pounds in 1946. This group is used mainly to manufacture medicinal chemicals.

This analysis reveals why stocks of imported medicinal barks, beans, berries, flowers, herbs, leaves, roots, and miscellaneous medicinal botanics are generally short while those tinged with an industrial significance have been more easily obtained this year as compared with 1945.

Market Trends

Prices Advanced

Drugs

Areca nuts, powdered, 1½c. per lb.
Chamomile, Roman, 10c. per lb.
Fleaseed, blonde, 5c. per lb.
Linden flowers, no leaves, 5c. per lb.
Raspberries, dried, 45c. per lb.
Stramonium leaves, 4c. per lb.

Other Articles

Allspice, Mexican, ½c. per lb.
Cardamom, bleached, bold, 10c. per lb.
medium, 10c. per lb.
decorticated, 10c. per lb.
Coriander seed, Italian, futures, ¼c. per lb.
Cumin seed, Indian, 2c. per lb.
Persian, 3c. per lb.
Syrian, 2c. per lb.
Mustard seed, California brown, ½c. per lb.
Montana, oriental, futures, 1c. per lb.

Prices Reduced

Drugs

Cantharides, Chinese, whole, 25c. per lb.
powdered, 25c. per lb.
Cocillana bark, 7c. per lb.
Peppermint leaves, imported, 15c. per lb.
Poke root, 3c. per lb.
Rhubarb root, whole, 5c. per lb.
powdered, 5c. per lb.
Soap bark, whole, 1c. per lb.
crushed, 1c. per lb.
cut, 1c. per lb.
powdered, 1c. per lb.

Other Articles

Marjoram, Chilean, ¼c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
294.7	294.9	271.9	247.0

(For Current Prices see Page 9)

Imports Detained by FDA

Week Ended October 18, 1946

New York

Boldo leaves, 161 bales: filthy.
Cassia, 594 bales: contains insect excreta and webbings.
Chillies, 733 bags: live insects.
Cocoa cake, 833 cases: moldy.
Lavender flowers, 167 bags: filthy; insect infested.
Mandioca meal, 1,749 bags: insect infested.
Rhubarb, 16 cases: live and dead insects; insect bored.
Sage, 215 packages: not official variety.

Baltimore

Olive oil, 43 drums: high acidity.
Glycerin, 137 drums: not U.S.P.

Buffalo

Clove oil, 1 drum: not U.S.P.

Philadelphia

Gum benzoin, 10 cases: detention on List 45 cancelled.

Balsams

Copaiba—The latest report concerning importations of this article as compiled by the Department of Commerce says that in June, 1946, arrivals were down 50 percent from those in May. The market last week continued short of goods and firm in price. An arrival of 14 drums from Cristobal was noted.

Peru—Arrivals in June were 96 percent more than those in May, according to a report by the Department of Commerce. The spot market was active in a routine fashion and held steady in price last week.

Tolu—Importations last June gained 60 percent over those in May, according to a report made by the Department of Commerce. During the past week, 15 cases arrived on a very firm and definitely undersupplied market.

Barks

Cinchona—Arrivals of this bark in this country in the January-June period of this year totaled 34,583 pounds, which compares with 4,183,584 pounds that reached here in the corresponding period in 1945. The figures are those of the Department of Commerce.

Cocillana — Supplies have gained sufficiently to turn the market into more competitive channels and prices were noted last week at the lower level of 53c. and 54c. per pound. Demand was seasonally active.

Elm—So far as actual supplies had been concerned, the spot market stock of bark in five pound bundles had been virtually nil and quotations were practically nominal. Restoration of a supply has returned a firm price to the spot and offerings last week were made at 75c. to 80c. per pound.

Soap—The market was somewhat lower as the result of competition occasioned or made possible by recently substantial arrivals. Whole bark was 27c. to 28c. per pound; crushed, 32c. to 33c.; powdered, 30c. to 31c. An arrival of 40 bales from Valparaiso, Chile, was noted last week.

Beans

Calabar — Beans recently offered only in the to arrive position have become offered as actually on spot. And the price is retained at 65c. to 66c. per pound.

Berries

Cubeb—Arrivals have rebuilt stocks for the open market; an importation of 30 bags from Singapore was reported last week. Prices have been restored and whole berries were priced at $1.37 per pound while in powered form the article moved at $1.47.

Rasberries—The little quantity of dried berries that can be obtained locally was quoted not less than $2.20 to $2.25 per pound last week.

Flowers

Arnica—Importers continue to find the Food and Drug Administration a

For Late Market Developments, See Page 4

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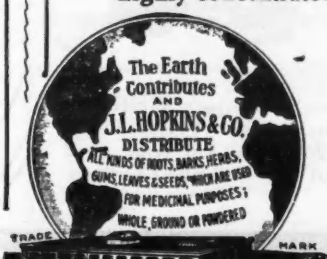
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COCILLANA BARK
COLOCYNTH PULP
COLOMBO ROOT
CORIANDER OIL AND SEED
DANDELION ROOT
DILL SEED, Indian
ERGOT OF RYE
FENNEL SEED, Indian
FOENUGREEK SEED
GENTIAN ROOT
GINGER, Jamaica, Calicut
GRAINS OF PARADISE
GUM ARABIC AMBER SORTS
GUM KARAYA, Whole and Powder
HELLEBORE ROOT WHITE
HERBA HERNIARIÆ
HERBE MENTHE
HOREHOUND HERB
IRISH MOSS
JUNIPER BERRIES
KAMALA POWDER
LAUREL LEAVES
LAVENDER FLOWERS
LINDEN FLOWERS, with Leaves
MAHUANG, Chinese
MARJORAM LEAVES
OAK MOSS
ORANGE OIL, Sweet
ORRIS ROOT
PEPPERMINT OIL
PIMENTO, Jamaica
POPPY SEED, Indian
PSYLLIUM SEED AND HUSKS
QUINCE SEED
RHUBARB ROOT
ROSEMARY LEAVES
ROSEMARY OIL
SAGE LEAVES
SARSAPARILLA ROOT
SAVORY
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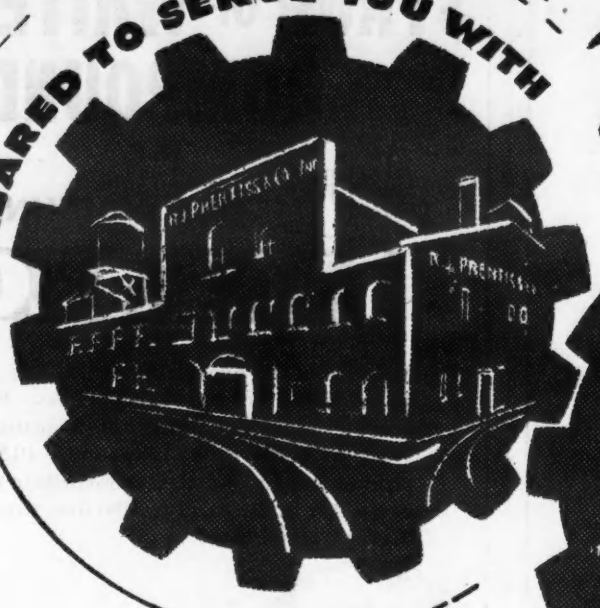

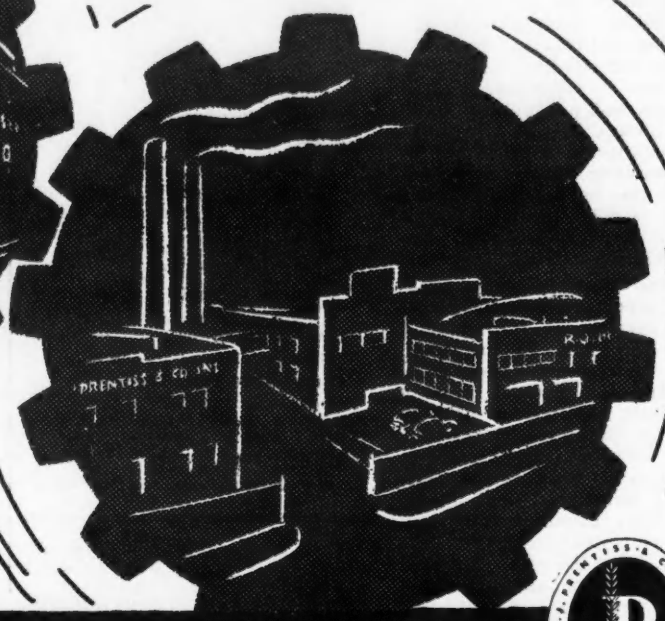

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hurdle so high as to keep restoration of spot stocks of released goods a matter for the future. Last week, an arrival of 59 bags from Genoa, Italy, was no guarantee that the goods would be released by F&DA. The market was $1.65 per pound, nominally.

Chamomile—Roman flowers stood minimum at $1.55 per pound, a moderate advance in the price for a comparatively scarce article. Hungarian flowers remained unchanged but they, too, were not in normal reserve among dealers.

Linden — Flowers without leaves sold at 65c. to 70c. per pound last week and prevailed in a very firm market. Demand was routine but fairly good.

Gums

Aloe—The market appeared tending firmer, especially as concerned Cape aloe of which article 283 cases arrived last week from Capetown, South Africa. Some have already raised quotations and a general rise in asking prices would not surprise because of the prevailing cost of replacements.

Arabic—The Department of Commerce makes imports in January-June, 1946, 9,811,787 pounds. They were 7,013,473 in 1945, same period.

Benzoin—The market tended to become easier as stocks of Sumatra gum became slowly but steadily larger. An arrival of 88 packages from Singapore was reported last week. The tendency of dealers was to yield to the pressure of increasing competition. Only replacement costs seem likely to work for the maintenance of values.

Karaya—In the period January-June, 1945, the imports of karaya and talka gums combined totaled 3,882,628 pounds, which compares with 3,237,464 pounds arrived in the corresponding period in 1945.

Myrrh—Imports in January-June, 1946, gained over those in the parallel period in 1945. The Department of Commerce makes the 1946 import 17,976 pounds, and that in the 1945 period 4,536 pounds.

Olibanum—Imports rose sharply in the first six months of 1946, according to a report of the Department of Commerce. The total was 564,630 pounds in January-June, while in the equivalent period in 1945 it was 168,366 pounds.

Tragacanth — The January-June, 1946, importation of 2,031,756 pounds compares with 867,614 pounds arriving in the corresponding time in 1945, according to the Department of Commerce.

Herbs and Leaves

Belladonna—The market was strictly nominal. Stocks were virtually exhausted save for the material retained for application against contracts and for manufacturing requirements of some importers. It seemed likely that more than $2.50 per pound would have to be paid if any goods were sold.

Buchu—The Department of Commerce states that in the January-June period, 1946, importations totaled 83,216 pounds, comparing with 83,154 pounds, arrived in the corresponding time in 1945.

Digitalis—The total of 2,410 pounds imported in January-June, 1946, compares with 50 pounds arrived in the corresponding period in 1945, according to the Department of Commerce.

Henbane—January-June, 1946, imports totaled 70,9990 pounds, which compares with 9,965 pounds brought in during the corresponding period.

Peppermint—Some first quality foreign leaves have been imported. The article compares closely with the material that was standard European leaves in the prewar period. Sales have been made at $1.25 to $1.30 per pound. An arrival of 30 cases from Genoa, Italy, was noted last week.

Senna—The strength of the market and the pressing supply situation makes interest attach to the Department of Commerce report concerning imports in January-June, 1946, the total being 1,724,699 pounds, which is to be compared to 163,787 pounds brought in during the corresponding period in 1945.

Stramonium — The market has moved up to 20c. to 25c. per pound on absorption of offerings. Imports in January-June, 1946, totaled 226,949 pounds, against 257,962 pounds arrived

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Potash sulphate	1 dram
Tin filings	1 ounce

2.

Jalap	2 scruples
Scammony	1 scruple
Gamboge	10 grams
Potash sulphate	2 scruples

Combine each with enough honey to form an electuary. Take No. 1 in dosages of 1 teaspoonful each 3 hours for 2 days. Then substitute No. 2 in the same dosage.

WAREHOUSE AND MILLS

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TRADE MARK

in the corresponding period, 1945, according to the Department of Commerce.

Miscellaneous

Areca Nuts—An advance to 17c. to 18c. per pound was reported in prices prevailing on sales of powdered material last week.

Cantharides—Competition in Chinese flies continued to increase. Prices were down to $7 to $7.25 per pound for whole, and to $7.50 to $7.75 for powdered during the past week. Practically no Russian flies flew in the market here.

Ergot—Imports in January-June, 1946, were 77,616 pounds against 55,977 pounds same period in 1945.

Manna—More goods reached here from Italy last week, an arrival of 40 cases originating at Palermo being noted.

Nux Vomica—Arrivals in January-June, 1946, were 1,590,640 pounds, comparing with 433,116 pounds arrived in the corresponding period in 1945, according to the Department of Commerce.

Papain—The market held firm on excellent demand and light stocks. Last week, 137 cases reached here from Mombassa. Department of Commerce reports show January-June, 1946, imports at 76,905 pounds, which compares with 155,499 pounds of record for the corresponding period in 1945.

Roots

Aconite—Imports in the first six months of 1946 rose over those in the corresponding period in 1945. The 1946 period-total was 32,731 pounds while that in 1945 was 5,920 pounds, according to the Department of Commerce.

Belladonna—Stocks were about exhausted and only luck would turn up a few pounds which, if and when available, would probably sell in excess of the nominal market at $2.50 per pound.

Gen'ian—The market remained rather on the easy side because of rather ample stocks and despite the present fair consumption. Importations for the period January-June in 1946 totaled 293,281 pounds, which compares with 126,459 pounds landed in the corresponding period in 1945, according to the Department of Commerce.

Ipecac—Short stocks continue and prices hold firm. Imports in the January-June period, 1946, totaled 48,826 pounds, which compares with 28,738 pounds in the equivelent time, 1945, according to the Department of Commerce.

Jalap—Arrival of 81 bags from Vera Cruz, Mexico, was noted last week. The Department of Commerce reports January-June, 1946, imports as 84,301 pounds, which compares with 38,484 pounds arrived in the corresponding period of 1945.

Poke—The market has turned slightly easier and spot offerings were made at the moderately lower price of 16c. to 17c. per pound last week.

Rhubarb—Competition was quite prominent and whole root declined to $1.45 to $1.50 per pound while powder dropped to $1.55 to $1.60. Importations from all sources from January through June in 1946 totaled 24,279 pounds, against 113,753 pounds in the parallel time in 1945, according to the Department of Commerce.

Sarsaparilla — January-June, 1946, imports totaled 52,327 pounds and in the comparative period in 1945 they were 76,861 pounds, according to the Department of Commerce.

Seeds

Angelica—According to the latest report of the Department of Commerce, imports in January-June totaled 31,854 pounds in comparison with 374,722 pounds arrived in the equivalent time in 1945.

Cardamom—Prices advanced sharply in India and spot followed closely. Bleached on spot became $1.75 to $1.80 per pound for bold and $1.55 to $1.60 for medium; India decorticated went to $1.35 to $1.40 while the produce of Guatamala followed.

Coriander—Italian seed, if released, was higher at 6c. to 6½c. per pound.

Cumin—All prices advanced save that for Morocco seed and the latter was hardly available. Future delivery seed from India was priced at 43c. to 45c. per pound; Syrian and Persian did the same.

Flea—Blonde seed recently arrived from India went on the market at 31c. to 33c. per pound last week. Imports in January-June, 1946, totaled 824,004 pounds, against 830,999 pounds landed in the corresponding period in 1945.

Mustard—Danish yellow was higher at 15½c. to 16c. per pound. Montana yellow futures were up to 16½c. to 17c. and oriental futures were lowest at 8½c. to 9c.

Quince—Total imports in January-June, 1946, were 121,065 pounds; corresponding months, 1945, 59,283 pounds.

Spices

Allspice—Mexican seed fetched the higher price of 23c. to 23½c. per pound.

Cinnamon—Stocks of Ceylon spice were exhausted.

Pepper — Black pepper became nominal at 80c. per pound despite the landing of 2,797 bags from Singapore. Red Carolina chillies in future position was also nominal at 60c. per pound.

Hunzikers Flys Vanilla Beans to Chicago

Hunzikers, Inc., importers and exporters, Chicago, recently chartered a cargo airplane to fly a load of Tahitian vanilla beans from the port of Vancouver, British Columbia, to Chicago, thus relieving an acute shortage being suffered by its customers.

From the time the steamer touched port in Vancouver it was only four days until deliveries were on the way to the company's customers. Officials of the firm say that customs clearance and freight shipment between the port and Chicago usually requires four to five weeks.

Heyden Develops New Form of Penicillin

The Heyden Chemical Corporation, New York, announces the development of a form of penicillin which the company claims is the purest and most potent yet to be developed commercially.

Known as white crystalline penicillin, it can be stored in its dry state for three years with refrigeration, twice as long as the familiar yellow product which requires refrigeration, according to the company.

Production of the new type penicillin was reported after more than two years' research in the company's laboratory at Princeton, N. J. The new product, the G type, approximates the 1,667 units set up as the maximum possible potency for its type.

Sugar Research Grants Renewed

Renewal of grants for research on sugar totaling $54,500 has been announced by Robert C. Hockett, scientific director of the Sugar Research Foundation. This brings to $520,000 funds appropriated for the study of the value of sugar in human nutrition and the exploration of further industrial and chemical uses for the product. Scientists at seven colleges and universities were awarded grants to carry on work already established.

McCormack Joins Penick Sales Staff

Francis X. McCormack has been appointed to the staff of S. B. Penick & Co., producers and manufacturers of botanical drugs and medicinal chemicals, New York. Mr. McCormack was seperated from the Army with the rank of captain after serving four and one-half years with the 84th Chemical Mortar Battalion. He is a graduate of the Massachusetts College of Pharmacy, and prior to his entry into the armed forces, served for several years as sales representative in the pharmaceutical field.

Trade Briefs

Vitamin plant is being built in central Russia which is expected to produce about 700,000,000 doses a year of vitamin C from the fruit of the wild rose, and about 5,000,000,000 doses of B-complex and D.

Great Britain's exports declined in September for the second month in a row after reaching a peak of 120 percent of the 1938 volume in July. The decline was blamed on holidays in August and September.

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Public Health Service Laboratory Dedicated

A new memorial laboratory, equipped with devices to protect researchers from the deadly effects of infectious diseases they are studying, was publicly dedicated yesterday at the National Institute of Health, Bethesda, Md.

Speaking from the steps of the three-story building, Dr. Thomas Parran, Surgeon-General of the United States Public Health Service, paid tribute to more than twenty public health service employees who in past years acquired the diseases on which they were working and lost their lives.

Among the special diseases to be studied at the laboratory are Rocky Mountain spotted fever, typhus, "Q" fever, undulant fever, tularemia, psittacosis, poliomyelitis, and common cold.

The building has been carefully planned to provide maximum safety for the scientists who are to use its facilities. Special features are glass-enclosed cubicles into which only sterilized air may enter; protective cabinets equipped with exhaust chimneys and ultra-violet light, and with apertures through which a technician may insert his hands and work safely while preparing infectious materials; specially designed air-conditioning which will take dangerous microorganisms out of the laboratories and pass them through a heated electric grill; animal cages suspended from the ceiling on overhead rails; built-in wall vault sterilizers; sealed triple windows, and a "clean zone" for lunchroom, library, office and other non-laboratory facilities.

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Amer. Molasses Making Wheat Syrup in B'klyn

The American Molasses Company has made preparations to produce more than 2,500,000 pounds of wheat syrup at the sugar refinery of its subsidiary, the Sucrest Corporation, Brooklyn, N. Y., in an operation that was expected to begin last week.

Metal Can Shipments Gained in August

Shipments of metal cans continued their seasonal advance during August, reaching 347,000 shorts tons, 13 percent more than the 307,000 tons shipped during July, according to a recent report of the Bureau of the Census. August, 1946, exceeded that of August, 1945, by 32 percent and attained the highest point since the monthly report was begun in January, 1943.

More than 60 percent of the total shipments for August, 211,000 tons, was accounted for by metal cans designed for packing fruit and vegetable products. The balance of the month's shipments consisted of 95,000 tons of all other food product cans, and 41,000 tons of nonfood product cans. These exceeded the quantities shipped during July by 14 percent and 5 percent respectively.

Metal cans shipped for sale to the trade in August amounted to more than 304,000 tons, 88 percent of the month's total. The remaining 42,000 tons were for the producers' own use or for use by an affiliate, subsidiary or parent company.

Hennick Honored On 80th Birthday

Charles J. Hennick, associated with the National Can Corporation since 1906, recently celebrated his eightieth birthday by reporting to his office to take up his usual duties as cashier for the Baltimore branch. Fellow workers observed the occasion with a birthday party.

Alcohol Fuel Offered

OPD Washington Bureau

A large stock of canned cooking fuel and fuel tablets is being offered to all eligible buyers of surplus property by the War Assets Administration. The cooking fuel is highly concentrated, suspended alcohol packed in one and a half, two, and four ounce cans.

Netherlands Indies Agent Enroute to U.S.

OPD Washington Bureau

Dr. D. R. Koolhaas, director of the industrial division of the Department of Economic Affairs of the Netherlands Indies, is enroute to the United States to study American industries and technical developments which might be successfully duplicated in the Indies, according to the Department of Commerce.

He is reported to be particularly interested in coconut oil factories, tanneries, industries processing wool and straw, basic chemical industries, canning of food products, synthetic and natural fibers and the glass industry.

American firms wishing to get in touch with Dr. Koolhaas may write to him in care of the Trade Commissioner for the Netherlands Indies, 10 Rockefeller Plaza, New York.

U.S. Researchers to Study German Chemistry Data

German developments in chemistry, including detergents, emulsifiers, acetylene, intermediates, and chromium, will be studied by six American experts, the Office of Technical Services of the Department of Commerce has announced.

Dr. Albert S. Carter, Wilmington, Del., will study acetylene chemistry, highly developed in Germany before and during the war. Dr. Carter directs research for a division of E. I. du Pont de Nemours & Co.

Dr. Oliver J. Grummitt, Cleveland, Ohio, will investigate pigments and chemical intermediates for the manufacture of paints and synthetic coatings. Dr. Grummitt is special consultant for the Sherwin-Williams Company and Assistant Professor of Chemistry, Western Reserve University, in Cleveland.

Dr. Harry Heller and Dr. Omar F. Tarr, both of Baltimore, Md., and both vice-presidents of the Mutual Chemical Company of America, will study processes pertinent to the chromium industry. Dr. Heller is in charge of engineering for Mutual Chemical, and Dr. Tarr is the company's technical director.

Chemical Engineering Problems Discussed

Easy access to typical problems encountered in all branches of chemical engineering is made possible with the publication of a new 156-page book, "Chemical Engineering Problems," by the chemical engineering education projects committee of the American Institute of Chemical Engineers. Copies may be obtained from the institute, 40 East Forty-first street, New York 17, at 50 cents for members and $1 for non-members.

Jessop Steel Adds Colwell to Sales Staff

Clyde B. Colwell has been appointed Special Representative for stainless steels of the Jessop Steel Company, Washington, Pa., and will make his headquarters at the company's Chicago offices. He will specialize in the sale of solid stainless steels, stainless-clad steels, stainless steel castings, heat resisting castings, and acid resisting castings.

Trade Briefs

General Instrument Corporation, Elizabeth, N. J., has reconverted its one-year $1,250,000 bank loan to a ten-year basis at 2¼ percent.

S. DeWitt Clough, chairman of the board of Abbott Laboratories, Chicago, has been elected a director of the Gillette Safety Razor Company.

McKesson & Robbins, Inc., pharmaceutical manufacturer, New York, re-elected all directors at the annual meeting of stockholders in Baltimore.

Camin Laboratories, New York, has increased its authorized capital from 375 shares, consisting of 175 shares of preferred stock of $100 par value and 200 shares common no par value, to 625 shares, consisting of 325 preferred $100 par value and 300 shares common no par value.

Richard E. Doolittle, former assistant manager of the Chicago branch of Sterling Drug Inc., has been elected divisional vice-president in charge of the Dr. W. B. Caldwell division at Monticello, Ill. Mr. Doolittle succeeds Maxwell R. Hott, who has resigned.

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GUM LOCUST (Carob Flour)
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MENTHOL (Crystals)
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EGG YOLK
BLOOD ALBUMEN
JAPAN WAX (Special)
CANDELILLA WAX

Essential Oils, Other Aromatics

The essential oil market was moderately quiet last week as shortages in consuming industries curtailed trading and limited buying of flavoring materials. Production began in the plants of a principal producer of basic materials used in the aromatic chemical industry which had been closed by strikes for four months. Imports were maintained at a fairly steady rate in a variety of oils, but reports from producing countries, still recovering from war destruction, were that production was far below normal.

Consumers in the confectionery and food trades were forced to limit buying last week due to curtailed production forced upon them by shortages in sugar and shortenings. Baked goods producers were allotted larger quantities of shortening, so it was expected that buying from that trade would increase. Limited buying on the part of soap manufacturers indicated the restrictions facing that industry. It was believed that buying on the part of cosmetic and toiletries producers would experience an upswing in the next few weeks.

Good news to the aromatic chemicals market was the settlement of strikes in the plants of a principal producer of basic materials and the immediate resumption of production. The problem of reaching full capacity in a large manufacturing organization indicated that materials would remain short for several weeks, and it was generally understood that it would take several months for back orders to be filled.

Reestablishment of normal production in countries which experienced bombings and the marching and fighting of armies during war posed a real problem in the essential oil market last week. Shipping was readily available in many instances, but the quantity of oil which could be gathered from ravaged fields and factories was, in most cases, slight. It was reported from Spain that essential oil production in that country fell in 1945 to only one-third of normal production during pre-war years, and Spain was relatively untouched by the full impact of combat. The problem of reorganization and production faced by France, Italy, Greece, and other oil producing countries is gigantic, and indications are that the solution cannot be reached for at least another year.

Market Trends

Prices Advanced

Celery oil, bots., 50c. per lb.
Turpentine, rectified, U.S.P., 1c. per lb.

Prices Reduced

Camphor, white, nat., cns., 30c. per lb.
Caraway oil, N.F., cns., 85c. per lb.
Pimento oil, berry, dms., 10c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
228.5	228.5	188.7	220.5

(For Current Prices see Page 9)

Essential Oils

Almond—The development of a lively buyer interest which had begun several weeks previous with the improvement of the import situation and the prospect of ample stocks becoming available, continued at a good rate last week. Stocks of Italian oil were gradually being accumulated in the American market, and movement was reported to be good. There were no variations in prices reported, and those in effect held steady. Imports during the period under review totaled twenty-two drums from Italy.

Bergamot—An already healthy buyer interest was improved last week in the wake of price reductions for natural Italian oil effected the previous week, and the market generally was in an invigorated position. Dealers were obtaining good stocks of oil, and there was a steady movement into consumer channels. Imports during the week included forty-four half-cases and 557 quarter-cases from Italy.

Birchtar—It was reported that three barrels of birchtar oil arrived in the American market from Sweden during the period under review. Demand was strictly routine, and prices were unchanged in a moderately quiet market.

Bois de Rose—Major interest in the market last week centered about the arrival of a large shipment of oil from Brazil. A total of 109 drums were reported to have entered the American market, and buyers were eager to acquire any part of it. Linalool production has been seriously curtailed as a result of the shortage and high cost of this material with the result that practically none of the derivatives was available anywhere in the market last week. Prices were steady at the previous levels, and the majority of interest was concentrated in the higher priced oils.

Camphor—Natural white camphor was quoted at 95c. per pound last week by one dealer, a price 30c. per pound below the previous quotation. The change established a range of 95c. per pound to $1.25 per pound. Stocks of oil remained very limited as there was little forthcoming from foreign sources and the anticipation of improvement in the situation was generally considered to be slight. No imports were reported during the period under review. Trading was generally confined to spot stocks of white synthetic oil.

Caraway—Light demand coupled with fairly good supply forced a downward revision of prices in this market last week. The oil was quoted at $6.00 per pound, 85c. per pound below the previous level, and the range extended to $8.00 per pound. Spot stocks remained in relatively the same position as they have been for many weeks, and no imports were reported during the period under review.

Cedar—Demand for both wood and leaf oil continued relatively active last week as supply was somewhat restricted. Prices were steady at the levels which had been in force since the increase in price several weeks previous. One drum of cedar oil arrived in an American port from Morocco during the period under review, and it was not stated whether the shipment was wood or leaf oil.

Celery—The market, which had been firming for several weeks, was moderately active last week, and a price increase of 50c. per pound was effected. Seed oil was selling in a range of from $17.00 to $22.00 per

Essential Oils Imports Up in Jan.-June

Total imports of essential oils into the United States during the first six months of 1946 were 3 percent higher than in the comparable period of 1945, according to the Bureau of Census. Import figures, in pounds, for various oils were as follows:—

	January-June 1946	January-June 1945
Anise	201,690	5,560
Bergamot	17,462	110,810
Bois de rose and lignaloe	197,547	46,196
Cajeput	4,000	.....
Camphor oil (specific gravity 1.07)	4,914	32,751
Cananga or ylang-ylang	32,153	27,024
Caraway	2,263	.....
Cassia	138,628	24
Cedarleaf	7,540	1,922
Cinnamon leaf	49,926	29,200
Cinnamon, n.s.p.f.	88	23,000
Citronella	292,146	325,014
Clove	155,068	165,191
Cornmint	.....	2,205
Eucalyptus	366,164	296,949
Geranium	36,006	86,125
Grapefruit	67	7,472
Juniper	20,609	32,562
Lavender	234,968	59,259
Lavender spike	62,354	140,837
Lemon	29,412	32,061
Lemongrass	426,284	762,906
Lime	47,303	78,381
Orange	27,261	343,690
Orange flower or neroli	545	824
Origanum	12,266	6,555
Palmarosa	9,705	795
Patchouli	5,678	2,777
Peppermint	7,903	9,565
Petitgrain	237,228	220,915
Pine needle	71,688	64,050
Rose or otto of roses*	27,008	3,346
Rosemary	61,612	86,590
Sandalwood	8,340	5,325
Thyme	4,425	16,650
Vetivert	16,024	30,190
All other	870,173	513,160

* Ounces.

For Late Market Developments, See Page 4

AT LAST—A Solution to the Pressing Pepper Problem

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pound as the range was widened in spite of the increased price on the inside. Stocks were fairly limited, and movement on spot was slight.

Eucalyptus—Prices were firming last week as supply failed to meet demand by a great margin. No price changes were reported, but it was generally felt in the trade that unless the import situation improved in this item, prices would probably be forced upward. The import situation was apparently improving slightly, but indications were that volume shipments would not be forthcoming often enough to forestall price increases. Imports last week included seventeen drums from Uruguay and seventeen drums from Morocco.

Lemon—A question of considerable importance was raised last week regarding the price ceiling situation in Italian lemon oil. Imported lemon oil was not specifically mentioned in the supplementary order filed by the Office of Price Control, September 25, removing controls from imported essential perfumery oils as a group, bay oil, and sandalwood oil. A study of the *Federal Register* revealed no orders referring to food flavoring essential oils, nor was there any special order devoted to imported lemon oil. Last week the majority of dealers were adhering to the $3.25 per pound price established for Italian lemon oil by Maximum Price Regulation 472, Amendment 3, but a price of $3.40 per pound was quoted last week on the assumption that all essential oils had been removed from price control. Imports of oil during the week were in good volume as the situation at the sources and the shipping position steadily improved. Fifteen half cases, and 102 quarter cases and six half cases of lemon oil arrived in American ports from Italy.

Ocotea Cymbarum—Demand for this item was maintained at a high level last week as shortages persisted. Prices were held firm by the supply situation, although it was felt that prices would continue dwindling of available stocks might force an increase in the face of a heavy demand. Imports last week were considerably larger than those which have been reaching the American market in the past few weeks, and it was hoped in most quarters that the situation would begin to improve on the heels of this indication that stocks at the source might be easing for export. A total of sixty-eight drums were reported to have arrived from Brazil during the period under review.

Orange—Market activity was maintained at a fast pace last week as supply was gradually improving and demand was unabated. Prices were steady at the levels which were effective several weeks ago. Imports during the week from Italy included 512 half cases and 100 quarter cases.

Patchouli—Prices were slightly less firm last week as the market anticipated an improved supply in the near future, and a few important stocks were accumulating in the American market. It was felt in some quarters that prices would gradually slide downward as imports increased, and that new prices would be forthcoming in the near future. Some high priced oil remained in the market, but consumers were devoting their attention to lower priced oils and awaiting the arrival of shipments now underway. Imports during the week included eight cases of oil from Singapore.

Peppermint—The market remained in a slightly bogged down position last week as there seemed to be little oil available anywhere at any price. The entry of large factors into the primary market had withdrawn large quantities of oil which would normally have been available to smaller dealers, and, in some instances prices were at a level which prohibited dealers from making inquiry. It was hoped that the confused condition which has persisted in the market since the lifting of ceiling prices on mint oils was in a gradually clearing state and that normal trading would be possible in the near future. Latest estimates of 1946 peppermint oil production made by the Bureau of Agricultural Economics are 1,416,000 pounds as compared with last year's 1,502,000 pounds.

Petitgrain—Buyer interest was undiminished last week, holding market at the high levels which have persisted for many weeks. Prices were steady and unchanged at the levels which were established a month previous. Imports during the weeks included twenty-five cases from Argentina.

Pimento—Prices for berry oil were reduced 10c. per pound last week, establishing a range of $6.75 to $8.00 per pound. The market remained fairly quiet, and no imports were noted during the period.

Sage—The market was fairly active

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last week as demand continued to exceed supply slightly, and prices held steady. The supply situation was improving gradually, however, and a greater availability was anticipated in the not too distant future. Imports during the period under review totaled nine drums from Trieste.

Sandalwood—Serious shortages and high replacement costs for this oil forced one dealer to increase his quotation from $18 per pound to $18.25 per pound last week. Many dealers were not quoting prices in this oil, and several price lists noted it as exhausted. Buyer interest was constant and the small stocks arriving in the market were moving quickly into consumer channels.

Spearmint—There was no improvement in this market last week as stocks remained practically unobtainable, high prices prevailed, and many dealers remained in a withdrawn position. The confusion in the spearmint market, which developed with the removal of price ceilings on mint oils, seemed destined to persist indefinitely, and the market was practically at a standstill. The opinion was expressed that the best way to deal with the situation was to not attempt to buy or sell spearmint oil. The defeatist attitude which developed in the trade regarding this item when prices soared and stocks fell was not materially relieved by a report of the Bureau of Agricultural Economics which stated that the estimated production of spearmint oil for 1946 was 247,000 pounds, 7 percent less than the 1945 crop, but 61 percent above the ten-year average.

Turpentine—Prices for rectified turpentine, U.S.P., rose last week in reflection of the rising costs of turpentine both at primary markets and secondary markets. An increase of 1c. per pound was noted over the previous inside quotation of 25c. per pound, and the quotations extended in a range as high as 45c. per pound.

Aromatic Chemicals

Settlement of the strikes in the plants of a principal producer of basic materials aroused new interest in the aromatic chemicals market which had been languishing for several months as a result of production curtailment due to material shortages. Shortages were expected to persist for many weeks, however, until the reopened plants could begin to reach maximum production. It was hopeful, nevertheless, for the manufacturers of aromatics to be in a position once again where they could be assured of eventual stocks, and for consumers to know that soon they could begin more than token production of their products. Restricted production of aromatics derived from essential oils was expected to persist indefinitely, unless there was a complete reversal of all indications in that field.

Anethol—Prices for this item were reduced last week to $2 per pound, a decrease of 20c. per pound from the previous level. The aromatic was selling last week in a range of $2 to $2.85 per pound for NF.

Citronellol — Quotations ranging from $9.50 per pound to $12.50 per pound were forthcoming in this item last week after many months of no offerings being made at any price. One year ago prices ranged from $6 to $6.75 per pound.

Vanillin—The range of prices for ex lignin in cans was widened last week as one quotation of $4.50 per pound was noted. The range established by the new price was from $2.40 to $4.50 per pound. It had been reported earlier that the only type available in any quantity was ex eugenol, but it was reported last week that production of guaiacol vanillin had been resumed at a plant which had been closed by a strike for four months. However, indications are that it will require many months before all back orders can be filled.

Prince Matchabelli Opens Display Room

Prince Matchabelli, Inc., perfume manufacturer, New York, will hold a reception today on the occasion of the opening of its new Crown Room at 711 Fifth avenue. The room will provide more than three times the company's present display space.

Trade Briefs

Hellenberg International, Inc., has been formed in New York to deal in cosmetics.

Consolidated Cosmetics and Dana Perfumes, Chicago, has named George R. Bent, formerly in charge of packaging sales for George R. Bent & Co., director of purchasing.

J. H. de Lamar & Son, Chicago, has been appointed Chicago and Middle West representatives of Antoine Chiris Company, Inc., New York, following a Chicago visit by F. E. Shoninger, Chiris president. The house of Lamar represented Chiris actively before the war.

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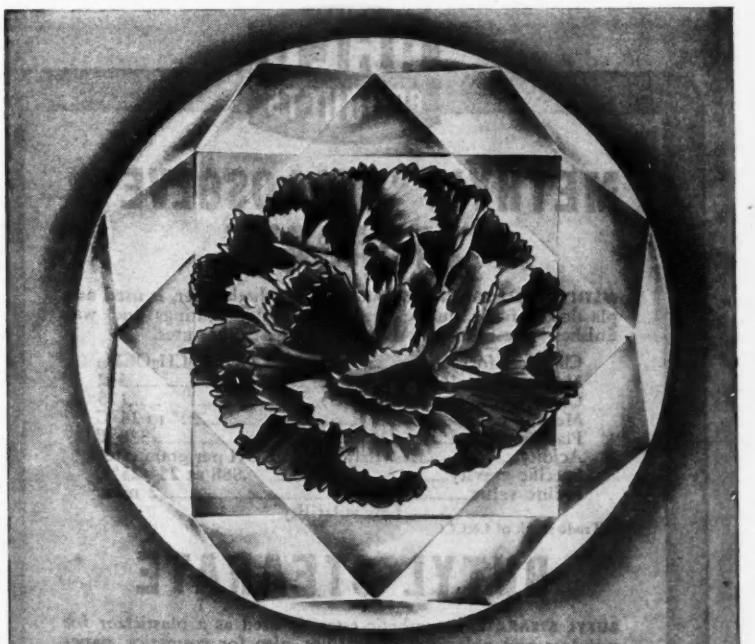
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Chemical formula	$C_{17}H_{35}COOCH_2CH_2OCH_3$
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Melting point	22° to 24°C
Flash point	378°F
Acidity	less than .6 mg. KOH per gram ester
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Iodine value	2 max.

Low volatility

* Trade mark of C&CC.

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Chemical formula	$C_{17}H_{35}COOC_4H_9$
Molecular weight	341
Color (platinum cobalt scale)	130
Melting point	19° to 20°C
Flash point	358°F
Acidity	less than .6 mg. KOH per gram ester
Saponication number	171-179 mg. KOH per gram ester
Specific gravity	.85-.86 at 20°/20°C
Iodine value	2 max.

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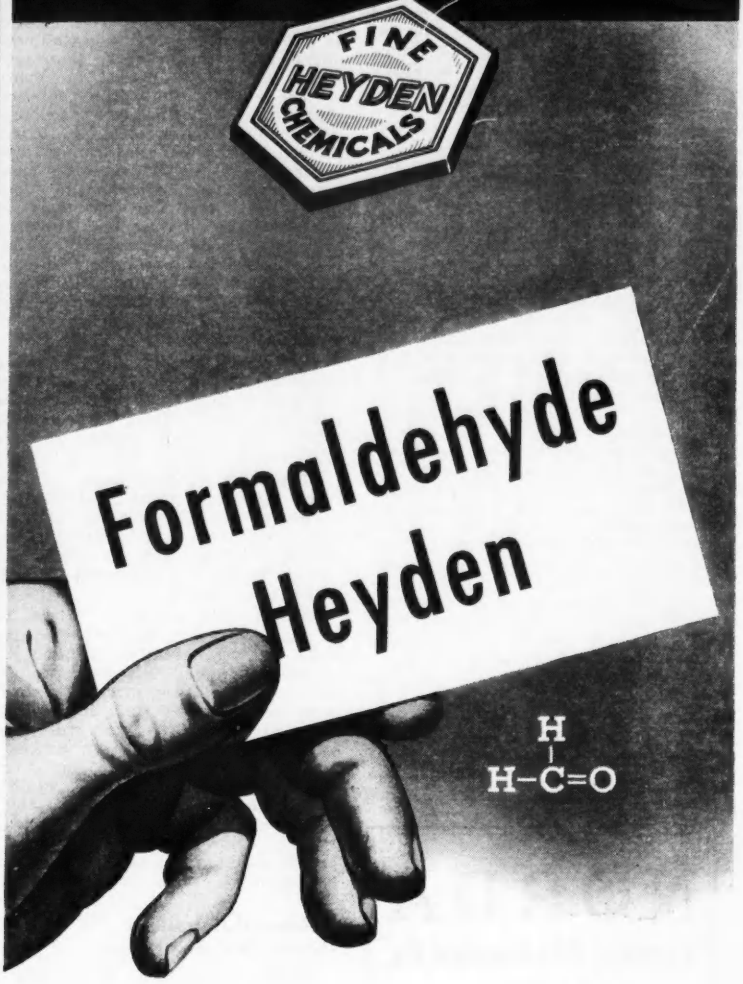

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Protective Coatings Materials

The market for protective coatings last week continued to be plagued by shortages, heightened by a labor strike in the Missouri lead mines.

A sudden walkout of workers in Missouri lead mines that have been producing one-third of all the mined domestic lead accentuated the short lead supply situation, which, for the year, has steadily approached a deficit of 200,000 pounds.

The zinc end of the market appeared brighter with CPA announcing that all six grades of zinc, instead of only the previous high grade, will be released from the government stockpile to those producers who are in urgent need of supplies. This will help many of the manufacturers who were on the verge of closing their plants due to shortages.

Last week's sudden run on napthenates continues to keep available stocks at a low level but this condition is expected to regain normalcy soon. The prolonged trucking strike continues to hamper movement of napthenate and resinate shipments. A price advance for certain napthenates was announced and ranged from 1¼c. to 2c. per pound.

There were no recent developments in the foreign casein situation with importers ruefully looking forward to the two months embargo on casein exports proposed by the Argentine government.

Metallic Lead and Zinc

Lead — Sudden development of a strike in one of the country's leading lead producing companies in Missouri, has threatened to drastically affect the already critical lead supply situation. The walk-out was sudden and without warning and involves some 3,400 lead workers. The mines involved in the strike have been capable of producing one-third of all the domestic lead. Since present lead demands are so overwhelming, even when all plants were operating at full capacity, it was impossible to satisfy consumers. It is therefore evident that if this strike is prolonged, a disastrous effect in the economy of the lead industry will result.

The fight for removal of controls is mounting with added impetus being given by the battery manufacturers, some of whom are closing down due to the lack of lead supplies, and others who state they are operating at half their normal capacity. These battery producers are citing the 200,000 pound lead deficit this year and are demanding that improvements in the tense situation be forthcoming soon.

One producer stated that an increase in production faculties—larger plants, opening new ore deposits—are necessary but producers are hesitant about spending large amounts of capital, fearing that if OPA controls were continued for an indefinite time, the investment would become perilous and a financial loss would result. It was this producer's opinion that if lead were decontrolled, fear of a runaway market would be unfounded, producers would expand their mining faculties, and greater lead production would result.

Many industry officials are attempting a "save the lead" campaign stating that more lead is being used in construction than is necessary. Developments in atomic energy research, they claim, would also call for a large demand in lead for protective purposes.

September output for refined lead production from primary refiners in the U. S. amounted to 40,720 tons, showing an increase of 5,030 tons over the August figure of 35,690 tons according to the American Bureau of Metal Statistics. This was the highest output recorded since February of this year when 41,643 tons were produced.

An aggregate of 34,042 tons of domestic lead was shipped to consumers in September against 32,811 tons in August. Stocks of refined lead held by producers at the end of September totaled 40,944 tons compared with 34,275 tons at the end of August.

Lead available for November allocations by CPA officials will amount to approximately 22,000 pounds while requests from consumers for November lead have swelled to almost 62,000 pounds. Recent reports from England state that the lead situation is becoming worse with last quarter quotas being slashed. Plants are not able to operate near capacity even with lead scrap which is also becoming more difficult to obtain. Prices for common grade remained at 8.25c. in New York.

Zinc—All six grades of zinc instead of just the former high grade will be released from the government stockpile in November to manufacturers according to a recent announcement by CPA officials. However, supplies will be released only to those consumers who are in urgent need of stocks and who apply to the Office of Metals Reserve, R.F.C., through the CPA. Although government stocks are limited, this action was taken to help those manufacturers who were near to closing their plants due to the lack of materials.

The zinc industry in July showed a general decline in stocks, production receipts and consumption according to a Bureau of Mines report. Inventories of slab zinc at consumers' plants declined 3 percent, with this drop distributed among all major industry groups except galvanizers, who increased their use by 9 percent. Zinc consumed at rolling mills and brass mills declined 22 percent and 13 percent respectively.

Total smelter production, shipments, and stocks of slab zinc for July amounted to 60,321 short tons, which was 313 tons more than June production. This figure, together with the stocks held on June 30, amounted to 300,555 short tons, from which shipments totaling 70,469 short tons were made, leaving at the end of July 230,086 short tons in stock. A total of 64,503 short tons of slab zinc were consumed in July compared to June's figure of 65,206 tons.

Zinc ore imported during the second quarter of 1946 totaled 84,312 short tons as compared with the first quarter figure of 64,394 short tons. A second quarter decrease of 12,973 short tons of slab zinc imports over the 41,646 short tons received in the first quarter was recorded by the Bureau of Mines. Second quarter exports for slab zinc totaled 6,344 tons, showing an increase of 2,274 tons over the first quarter's exports.

Maximum prices for prime Western were 9.69c. in New York and 9.25c. in East St. Louis.

Pigments

Litharge—There were no important developments in this market over the past week with production remaining very good but unable to meet the over-whelming demands of an active buyer's market. Available stocks were eagerly sought by consumers. No hope for improvement was voiced until greater production facilities were constructed. There were no price changes over the past week.

Lithopone—It would be safe to say that no matter how great production was in this commodity, the demand would be far in excess. However, production continues to be hampered by the lack of raw materials and a backlog of orders continued to build up. Further plant construction and a free flowing source of raw materials is necessary if this industry hopes to regain enough to meet demand. Prices remained firm over the period under review.

Titanium Dioxide—This white pigment, necessary for paints and enamels, continued to be in excellent production but because of the inordinate

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Manganese, naphthenate, 6% Mn, dms., 2c. per lb.
Manganese tallate, 4% Mn, dms., 1¼c. per lb
Zinc naphthenates, 8%-10% Zn, dms., 1⅝c. per lb.
Copper naphthenate, 8% Cu, 50-gal. dms., 2c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week	Last month.	Last year.
155.4	155.4	154.5	140.2

(For Current Prices see Page 9)

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demands of a particularly active buyer's market, was unable to satisfy all orders. It is expected that this situation will continue until either the demand tapers off or greater production methods are employed. No price changes were received during the past week.

Red Lead — This commodity was almost becoming a myth since it has become so difficult to obtain. Buyer inquiries were moderate, coming mainly from those hopeful consumers who are waiting for an unexpected development to return the market to normal. Prices remained firm during the past week.

Zinc Oxide—With a little more than one week elapsing since the official OPA price advance in this market, first reports were that a negligible increase in production resulted. Supplies remained scarce with demand as great, if not greater, than before. One producer, who had been approximately one month behind in shipments, declared that the recent prolonged power strike in Pittsburgh, resulted in a costly loss of zinc oxide production which rendered a backlog in orders of from three to four months. Output for this plant was resumed last Wednesday.

Stocks of zinc oxide at producers' plants decreased 11 per cent in July, which represented the lowest level recorded since August and September of 1945.

Zinc oxide produced in July totaled 17,592 short tons, a slight decrease from the 17,830 short tons recorded in June. Shipments for June were 2,009 short tons greater than June's figure of 18,786 short tons. Stocks held at the end of July were 25,854 short tons.

Maximum ceiling price for zinc oxide remained at 8¼c. per pound.

Dry and Chemical Colors

Bone Black—Steady demand continued and an active market was witnessed in this commodity. Supplies were not quite adequate enough to fill all orders with a backlog resulting. There were no price changes recorded during the past week.

Iron Oxide—Demand was excellent but sellers were totally unable to fill orders received. One producer stated that a backlog of from 3 to 4 months existed. No price changes were received for the period under review.

Lamp Black—This commodity has been released from all price controls effective October 24. In a recent announcement made by officials of the Office of Price Administration. Price for grade 1 before decontrol was 9c. per pound.

Sienna Earth—A shipment totaling 200 bags of this material was received from Italy during the past week.

Driers and Flatteners

Napthenates—This market, which had been previously functioning in good balance with high production meeting large demand, now finds itself hard-pressed to fill the large orders negotiated before the recent price increase went into effect. Available stocks were slightly depleted and shipments were being held up as a result of the continued trucking strike.

The new price schedule consists of an advance ranging from 1¼c to 2c per pound with the following prices now being quoted; 17¾c per pound for 6% manganese napthenate, 17¾c to 21½c per pound for 8% to 10% zinc naphenate, 19c per pound for 8% copper napthenate.

Resinates — The resinate market continued to be progressive with a good productive capacity and stocks just slightly below adequate as a result of the increased flood of demands over the past two weeks. Trading was very active but evidenced a tendency to return to normal as the week closed. Manufacturers were experiencing difficulty in forwarding their shipments due to the continued far-flung truck strike. Recent available reports expressed hope that the strike would terminate soon. If this should become an actuality, the resinate picture should brighten considerably and return to normal. Prices remained unchanged over the period under review.

Stearates—The stearate picture continued to be anything but bright. No new developments to offset the lack of necessary raw materials were recorded with the lack of stearic acid remaining the keynote to the situation. Although the labor strike at one of the major stearic acid producing companies was settled last week, it was still too soon for production from this company to help relieve the shortage. The market remained active with many buyer inquiries being noted. Prices were unchanged over the past week.

Fillers and Extenders

Asbestos—Arrival in American ports of 12,026 bags of this commodity were recorded last week. These shipments originated in Portugal and South Africa.

Barytes—Demand was heavy in this industry and producers remained confronted with the problem of satisfying the call with what limited stocks were available. Raw material production was declared to be good but the materials necessary for processing these crude stocks continued to be lacking in appreciable quantities. No price changes were received over the past week.

China Clay—Shipments totaling 764 tons were received here last week, all of it being exported from England.

Pumice Stone—Imports totaling 172 bags of lump pumice stone from Brazil and 20,147 bags of pumice powder also from Brazil were received in American ports over the period under review.

Talc—From Italy came 1,000 bags of this material during the past week.

Naval Stores

Rosin—The market remained withdrawn last week with only high grades in fairly good supply. All medium and low priced grades were in very tight supply and, according to some producers, were practically unavailable. Export trade remained fair with a fair amount of buyer inquiries being noted. The market continued to slow down in it's hoped for return to normalcy. It is expected

—Continued on page 76

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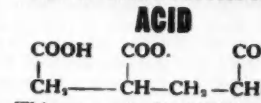

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For making polymers, plastics, resins and surface finishes, and to modify and to harden polymers of specific types.

SOME USES FOR THE ESTERS
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PLASTICIZERS

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Grade	633½	634½	638½	639½
Sp. Gr. (60° F)	0.9958	0.9979	1.020	1.021
Flash °F	450	460	510	520
Pour °F	35	40	70	75
Viscosity 210° F, Saybolt sec.	110	125	510	720
Viscosity Index	—109	—130	—365	—400
Distn. (1 mm) °F				
5%	405	409	498	506
30%	442	445	540	559
Evapn. Loss mg/10g. (1 hr. oven 100° C)	5	5	3	2

These products are dark colored and composed mainly of high-boiling aromatic hydrocarbons differing substantially from coal tar products of corresponding boiling range.

Their utility in rubber and synthetic rubber compounding is well established. They are not completely compatible in vinyl chloride compounds, but their use in other compositions requiring a low-cost plasticizer, or as a saturant for fibrous products, is indicated.

Bulletins 13 and 13A describe the use of INDONEX in synthetic and natural rubber compounds. Samples available on request.

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60 East 42nd St., New York 17, N.Y.

Paint Industries Show Exhibitors

Atlantic City, November 4-6, 1946

Advance Solvents & Chemical Corp.

Booth No. 21

More than sixty chemical specialties which Advance Solvents & Chemical Corporation produces for the protective coatings industry will be featured. Develepoment laboratory test panels and finishes coating formulations will be available for inspection. Stabilizers for polyvinol chloride resins, inhibitors of nitrocellulose lacquer discoloration and a new synthetic line of paint driers will be displayed. In attendance will be C. A. Klebsattel, J. S. Young, A. B. Mullaly, C. A. Lechner, F. J. Whelihan, and N. G. Schabel.

American Cyanamid Co.

Booth No. 36

An exhibit planned to give paint technologists up-to-date information on the latest finishes using synthetic resins will be displayed by the American Cyanamid Company, Bound Brook, N. J. Drying property and firm characteristics of several new "Rezyl" resins will be shown in both air drying and baking finishes. The protective coating products department of the company will have present about a dozen representatives to aid those viewing the display.

Anderson-Prichard Oil Corp.

Booth No. 5

Samples of "Apco" naphthas and diluents and advantages in working qualities will be displayed by the Anderson-Prichard Oil Corporation, Oklahoma City, Okla. Several new products of the company will be featured. D. D. Rubek and R. E. Johnson will be in charge of the exhibits. Others in attendance will be C. H. Dresser, vice-president of the company; H. E. Easterday, eastern division manager; D. H. Litter, of D. H. Litter Company, New York; J. Loeffler, Commerce Petroleum Company, Chicago, and A. A. Sherwood, Sherwood & Co., Kansas City, Mo.

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Established 1917

Atlas Electric Devices Co.

Booth No. 17

A number of tested specimens illustrating the accelerated weathering of paints, lacquers and related products, will feature the display of the Atlas Electric Devices Company, Chicago. The exhibit also will contain enlarged colored photographs describing the features of the Twin Arc Weather-Ometer. Representatives in attendance will be Joe Norton, Fred Schlayer and Leo Monaghan.

Binney & Smith Co.

Booth No. 28

The customary panels displaying various "Mapico" colors as well as high color carbon blacks for automotive and other industrial finishes will be displayed by the Binney & Smith Company, New York. In attendance will be J. T. Kealy, J. R. Keating, C. O. Davidson, L. J. Venuto, J. W. Snyder and J. W. Stiff.

Bramley Machinery Corp.

Booth No. 39

Two new postwar machines, known as the "Forrest" and the "Beken," and the older "Bramley" will be displayed by the Bramley Machinery Corporation, New York. In attendance will be B. M. Halpern, president, and M. Luhne, and F. Brandt, engineers.

Burt Machine Company

Booth No. 37

New and old labelers, which handle a wide range of sizes from the one-quarter of a pint size up to and including gallons will be exhibited by the Burt Machine Company, Baltimore. Only three adjustments, taking about two minutes, are required to change these machines from one size to another. In attendance will be H. A. Miller, B. C. York, A. G. Hornney, and J. L. Whitehurst.

Diamond Alkali Co.

Booth No. 6

Panels demonstrating applications of "Surfex" and "Multifex" will be displayed by the company's pure calcium products division, Painesville, Ohio. Featured will be the formulation of good quality finishes at high pigment to Binder ratios accomplished by the use of "Surfex," and panels showing correction for sagging, floating and flooding through the reagent properties of "Multifex." Members of the sales and technical staffs of the company and its distributors, T. R. Vanderbilt Company and D. H. Litter Company, both New York, will be in attendance.

Dow Chemical Company

Booth No. 1A

The booth of the Dow Chemical Company, Midland, Mich., will be designed largely around a new product which will be announced at the time the booth is opened. The company will have present a large staff of technical and sales representatives from its plastics and coatings divisions.

Falk & Co.

Booth No. 7

Samples of blown, kettled and specially processed fish and soybean oils, panels showing paints and coatings made from these products and a special exhibit of the company's resins will be displayed by Falk & Co., Pittsburgh. In attendance will be L. J. Reizenstein, D. Lewis, S. D. Rogaliner, S. S. Gutkin, and C. M. Rice.

Ferro Chemical Corp.

Booth No. 16

A display of company products and working specimens of the application of metallic driers and fungicides will be featured by the Ferro Chemical Corporation, Cleveland. In attendance will be David L. Cable, vice-president, and Stanley B. Elliott, research head.

Geuder, Paeschke & Frey Company

Booth No. 22

The company's complete line of pails and drums, in sizes from one quart to six and one-half gallons, such as used for the shipment of white leads, lacquers and other chemicals, will be displayed by Geuder, Paeschke & Frey Company, Milwaukee. In attendance will be W. J. Flint, L. R. Mueller, and P. T. Wiswell.

General Electric Co.

Booth Nos. 41, 42

The main feature of the exhibit of the General Electric Company's chemical department, Pittsfield, Mass., will be a revolving unit containing about fifty-five test and color panels. The test panels will contrast the ability of the company's "Silicone" films to stand up under test conditions that cause other films to break down. Color slides will illustrate the compatability of these resins with various types of pigments.

Goodyear Tire & Rubber Company

Booth No. 13

The entire exhibit of the Goodyear Tire & Rubber Company, Akron, Ohio, will be devoted to "Pliolite S5," the new resin which was introduced by the company in May. The special feature will be a transite disc painted with "Pliolite S5" paints and with competitive concrete floor enamels. H. A. Endres, W. Burr, A. J. Crawford and the entire plastic sales staff will be in attendance throughout the show.

Hercules Powder Co.

Booth Nos. 31, 32

The booths of the Hercules Powder Company, Wilmington, Del., will feature twelve Hercules' chemicals of interest to the paint, varnish and lacquer industry. The company's synthetic department will exhibit two new lacquer resins and various other resins. Other products will be displayed by the cellulose products department and the naval stores department. All three departments will have tecrnical representatives in continual attendance.

Hy-R-Speed Inc.

Booth No. 12

An assembled model of the latest Hy-R-Speed paint mill, mounted on casters to demonstrate its portability, will be the feature exhibit of the Hy-R-Speed Inc., Los Angeles. In addition the company will show a display board on which will be mounted the dis-assembled internal parts of the mill. R. W. Janeway, general manager, will be in attendance.

Krumbhaar Chemicals, Inc.

Booth No. 1

New catalogs and colorful data sheets will be distributed by representatives of the Krumbhaar Chemicals Inc., South Kearny, N. J., in a booth containing soft chairs and tables designed for relaxation during interviews.

J.M. Lehmann Co.

Booth No. 26

There will be no machinery on display at the boath of the J. M. Lehmann Company, Lyndhurst, N. J., but E. E. Mueser, president, and George Jack, vice-president in charge of sales, will be in attendance to answer questions.

D.H. Litter Co.

Booth No. 4

Several displays accentuating three products, "Uralite 7A," "Literite WS" and "Phenalite 91-V," will be featured by the D. H. Litter Company, New York. A contest also will be conducted at the booth, prizes for which the company says will be more important to the surface coating manufacturer than is his customer. Company representatives will be D. H. Litter, H. L. Davis, C. Withington, E. Singer, F. E. Bolway, H. C. Cookingham, R. A. VanKirk, A. O. Plambeck, E. C. Wood and I. T. Darlington.

Newport Industries

Booth No. 25

A complete line of company products will be displayed by Newport Industries Inc., New York. Company representatives will be R. J. Spitz, sales manager; J. L. Boyer, technical sales director; E. E. Holdman, foreign sales manager; A. C. Drubel; J. L. Slattery; John Korose and Patrick Dineen.

Nuodex Products Co.

Booth Nos. 2, 3

A graphic display of the company's driers; wetting, grinding and disper-

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DIOCTYL PHTHALATE
KAPSOL, (Methoxy Ethyl Oleate)
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No. 2-D Shingle Stain Oil
Refined Fusel Oil
(when available)
Dirty Solvent Recovered

sion aids, and fungicides will be featured by the Nuodex Products Company, Elizabeth, N. J. The company also will display a machine for determining drying time, developed in its own laboratories, and will conduct a contest for three $25 bonds. In attendance will be H. M. Johnson, A. Minich, A. E. Bartlett, E. Salas, F. S. Greenawald, G. W. Gregg, A. C. Mueller, and J. W. Van Tuin.

Paramet Corporation

Booth No. 20

A three dimensional scale model of its new plant now under construction at Toledo, Ohio, where a complete line of synthetic resins will be produced, will feature the exhibit of the Paramet Corporation, Long Island City, N. Y. Company representatives are expected to be James L. Rodgers, jr., president; C. Homer Flynn, vice-president; Alfred Egerter, assistant sales manager, and a staff of resin technicians.

Patterson Foundry & Machine Co.

Booth No. 35

The exhibit of the Patterson Foundry & Machine Company, East Liverpool, Ohio, will feature a working model of a closed circuit pigment grinding plant, complete with separating and screening equipment; a scale model of a Dowtherm heated and cooled synthetic resin, varnish cooking and oil bodying plant; paint grinding and dispersion equipment; berylite laboratory jar mills and grinding balls, and berylite and porox mill linings. The exhibit will be in charge of H. M. Brown, assisted by F. H. Neely.

R-B-H Dispersions

Booth No. 27

The exhibit of the R-B-H Dispersions of Interchemical Corporation, Bound Brook, N. J., will center around a display showing the water resistance of "Resin 569"; a series of panels showing the color developments of maroon pigments by company methods compared to conventional methods, and such miscellaneous exhibits as a miniature car sprayed with lacquer formulated from R-B-H dispersions. In attendance will be O. D. Bluthardt, M. M. Wilson, P. H. Ingham, A. Saunders, R. L. Lynch, J. E. Davis, H. Norris, and J. Garrison.

Reichhold Chemicals, Inc.

Booth No. 40

Normal booth background and a staff of company representatives to answer questions about the availability of raw materials will feature the exhibit of the Reichhold Chemicals Inc., Detroit. Among those who will be present are C. J. O'Connor, P. L. Swisher, W. R. Barrett, D. E. Leever, S. H. Baum, C. A. Knauss, C. J. Kaiser, A. Smiles, H. Robertson, T. P. Brown, R. R. Urich, W. E. Wanstall, G. A. Olson, and C. C. Arnold.

Resinous Products & Chemical Company

Booth Nos. 18, 19

Samples of new products of the Resinous Products & Chemical Company, Philadelphia, will be displayed, in addition to a photomural showing the enlarged plant and laboratory facilities of the company. Emphasis will be placed on plasticizers and resins for paints, varnishes, lacquers and printing inks. Among the representatives will be E. C. B. Kirsopp, L. Klein, H. C. Cheetham, G. Allyn, N. J. Timmons, D. P. Bryant, G. W. Cooke, R. P. Goodale, and G. Sohl.

Reynolds Metals Co.

Booth No. 11

An exhibit of products the company produces will be displayed by the Reynolds Metals Company, Richmond, Va. The company representation will be made up of I. P. Macauley, L. V. Sheain, A. H. Kleinfeldt, L. J. Kaiser, D. L. Grund, F. B. Rethwisch, A. P. Fleming, G. M. Babcock, L. H. Beston, A. Schmitt jr., F. G. Phelps, J. R. Wright, and F. W. Allsmiller.

Shell Oil Co.

Booth Nos. 8, 9, 10

A viscosity comparator which shows the different viscosities obtained when three identical synthetic varnishes are thinned with mineral spirits which have different solvency characteristics, and an evaporator which makes possible reproducible determinations of evaporation characteristics, will feature the exhibit of the Shell Oil Company, New York. Many technical marketing representatives from the company, the Shell Chemical Corporation and the Shell Development Company will be present to answer questions about Shell solvents and chemicals.

Spencer Kellogg & Sons

Booth No. 34

The exhibit of Spencer Kellogg & Sons Inc., Buffalo, N. Y., will feature the company's new linseed varnish oil; a chemically-treated soybean oil which polymerizes and dries like linseed oil, and a group of other chemically-treated oils. E. H. Valance will be in charge of the booth and will be assisted by R. A. Nagel, and D. K. Farstad.

Turpentine & Rosin Factors Inc.

Booth No. 29

A display of various types of containers used in packaging pure gum turpentine will be the feature of the exhibit of the Turpentine & Rosin Factors Inc., Savannah, Ga. Company representatives will be F. E. Gallagher, special sales representative, and W. T. Doty jr.

U.S. Industrial Chemicals

Booth Nos. 23, 24

The exhibit of U. S. Industrial Chemicals Inc., New York, will be designed to feature the major products manufactured by the company for the paint industry, principally industrial alcohol and solvents and natural and synthetic resins. A huge panel will contain a map of the United States, illuminated by successive flashing lights, showing company warehouses and sales offices, and montaged photographs of the principal products of the industry. Samples of the company's products will be on display.

Trade Briefs

Plastics Corporation, Brooklyn, N. Y., has increased its authorized capital from $20,000 to $70,000.

Interallied Technical Corporation has been organized in New York to deal in plastics and chemicals.

Kasserine Color Corporation has been formed in Queens, N. Y., for the purpose of manufacturing metallic paints.

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Oils, Fats and Waxes

Considerable activity in oils and fats market was centered in crude cottonseed, soybean and peanut oils and oilmeals at sharply advanced prices for refiners account for nearby and future delivery early in the week. Buying interest was withdrawn late in the period and prices were slightly off. The bulk of the business was transacted in cottonseed and soybean oils at increases ranging from 9½ cents to 11½ cents per pound above recent ceilings. Trading in crude peanut oil was restricted to prompt delivery with sales reported up to 27½ cents, f.o.b. mills and at 25 cents lated in the week.

Price controls on olive oil were lifted, but business was reported slow as both buyers and sellers preferred to await further developments. Holders of limited stocks on the spot boosted prices sharply and the market was quoted nominally at $8.50 to $9. per gallon in drums.

Removal of price controls were announced by OPA, effective October 24 on No. 1 and No. 3, castor oil, castor beans, rapeseed oil, olive oil, sesame oil, sunflowerseed oil, teaseed oil, safflower oil and sorghum grain oil. Remaining under price control were the following industrial oils: linseed, oiticica, tung, dehydrated castor, perilla, palm, coconut, olive oil foots, babassu, neatsfoot, cod, fish oils, inedible tallow, inedible grease, wool grease, tucum and poppyseed oils.

Wartime controls were removed on domestic distribution and use of edible and inedible oils and fats, October 19, by the Department of Agriculture. The following orders were terminated: WFO 29, 42, 42A, 42B, 43, 67, 124. WFO 63, which controls imports and WFO 130, covering the use of 1945 crop peanuts have been retained. The department also announced that high lauric oils will no longer be allocated.

Cottonseed Oil

Feature of the market was active trading in crude cottonseed oil last week at prices ranging from 23c. to 25c. per pound, tankcars, f.o.b., southern mills. Most of the business was transacted at the higher figure throughout the belt early in the week. Refiners withdrew interest later and the market was easier and off 1c. per pound, with trading reported at 24c. in the Valley and 23c. bid. The bulk of offerings were from the Valley.

While trading in refined bleachable summer yellow oil on the New York Produce Exchange was light, active bidding boosted prices sharply for all positions. Offerings were scanty and readily taken. Prices receded later with the easier tone in crude markets.

Memphis, Oct. 24.—Active trading in crude cottonseed oil at 25c. per pound and crude soybean oil at 23c. per pound for nearby positions and a shade lower named for later deliveries. Most buyers have withdrawn from the market. Mills sold rather heavily and not pressing sales. Cottonseed and soybean meals continue in good demand. Prices declined from high levels reached after decontrols, but were again advancing. Cottonseed meal quoted $92 to $94 per ton, November, at Memphis. Soybean meal, $92 per ton, sacked, Decatur, November. Cottonseed hulls, $18, Memphis.

Prices of refined bleachable prime summer yellow cottonseed oil in tankcars on the N. Y. Produce Exchange for the week ended Friday, October 25, were:—

	Cents per pound— High.	Low.	Close.
November	27	26½	....
December	27½	25	25 bid
January	26½	25	25 bid
March	25	22	23½ bid
May	26½	24	23½ bid
July	25	24	23½ bid
September	28	21	23 bid
October	21	19	21 bid

Total sales, 6 contracts.
Crude oil sales, 23c. bulk, f.o.b. mill.

Linseed Oil

Trading in linseed oil continued at a standstill last week with crushers not accepting business at prevailing ceilings. Small quantities of oil were delivered against former contracts. Consuming demand was urgent. Flaxseed prices were advanced with sales reported at $7 per bushels, Minneapolis and Duluth. Producers reported that with higher price of seed, the production costs of oil have increased in proportion and have requested the removal of price controls, as has been done in soybean oil. OPA decontrolled prices of additional edible oils last week, but retained linseed, tung, dehydrated castor, oiticica and other industrial oils under prevailing ceilings.

Minneapolis, Oct. 24.—Demand for oil was thrown into high gear by the advance in seed values but crushers withdrew all offerings to wait final decisions on linseed oil prices. Shipments against old contracts continued in good volume but were falling off steadily despite the good operational levels of the Minneapolis and interior mills.

Shipments of linseed oil, in pounds, were as follows:—

	1946-47	1945-46
This week	4,200,000	8,040,000
Since Sept. 1	47,540,000	56,140,000

Los Angeles, Oct. 23.—Linseed oil, continued to move slowly. Supplies were short, inquiry good. Oil ceiling—17.8c. per pound in tankcars.

Flaxseed—Under active trading, advanced to $7 per bushel, Minneapolis and Duluth. Offerings increased at the advance, with inquiry keen.

Minneapolis, Oct. 24.—Price records for flaxseed were smashed at Minneapolis last week as prices rose from the old ceiling of $4.00 per bushel to $7.00 under impetus of heavy crusher buying. A few of the crushers turned sellers at the $7.00 mark, disposing of some of their holdings to others who were apparently willing to pay what many consider is an outlandish price. One effect that the increased price had was to bring a larger volume of offerings from the country and receipts of flaxseed during the next fortnight are expected to be comparatively large. It was reported, however, that the price was attracting offerings of seed that would normally be held for Spring planting and there was some worry about the future as some rather large lots of seed were offered at the top price.

Bushels—	Receipts— 1946-47	1945-46	Shipments— 1946-47	1945-46
This week	283,200	1,246,000	91,800	160,500
Since Sept. 1.	5,130,300	13,022,500	1,751,500	1,104,100

Buenos Aires, Oct. 25.—No flaxseed shipments were made last week. Visible supply of flaxseed was not reported.

London, Oct. 25.—Linseed oil, spot, quoted at 135s. per 112 pounds.

Hull, Oct. 25.—Flaxseed, Bombay, £46½ nominal, October; Calcutta, £37 nominal, October; La Plata not quoted.

Other Vegetable Oils

Castor, Dehydrated—Demand continued to exceed the supply. Producers limited deliveries to small quantities. Price controls on No. 1 and No. 3, castor oil were removed by OPA, effective October 24, while dehydrated castor oil was continued under price ceilings.

Coconut—Consuming inquiry was active with trading restricted owing the scarcity of offerings. Market was firm at ceilings. The Philippine government has notified CCC that it was not satisfied with the price at which CCC contracted for the exportation of surplus stocks of copra from the Philippines. A representative of the Department of Agriculture will leave shortly to work out a price adjustment. Copra exports from the Philippines have exceeded expectation in recent months, and total shipments for 1946 probably will reach or possibly exceed 500,000 short tons and approach the prewar level, according to the Department of Agriculture. Estimates received by the department indicate a probable production of Philippine copra from September through December at about 65,000 tons monthly, but forecasts some decline in early 1947, reflecting the end of the major harvest and the ripening

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Cottonseed oil, crude, 10c. per lb.
Peanut oil, crude, 10¾c. per lb.
Soybean oil, crude, 8c. per lb.

Prices Reduced

Carnauba wax, No. 3, chalky, 10c. per lb.
N. C., No. 2, 5c. per lb.
N. C., No. 3, 5c. per lb.
N. C., ref., 5c. per lb.
Yellow, No. 1, 5c. per lb.
Yellow, No. 2, 5c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
228.0	210.0	205.8	193.3

(For Current Prices see Page 9)

of a smaller crop of nuts during the dry season. Exports in 1947 are forecast at between 45,000 and 65,000 tons per month, allowing for copra used in domestic crushing.

Corn—Inquiry continued keen. Business was quiet. Producers were not offering.

Oiticica—This oil continued scarce for prompt delivery and for shipment from Brazil. It was reported that the 1946 crop in Brazil was sold up, European buyers having absorbed a good portion of the crop. Consuming inquiry continued keen, with trading quiet. Prices were firm at ceilings. Arrivals totaled 310 drums at New York, last week and were consigned on previous orders.

Olive—Removal of price controls on domestic and imported olive oil created considerable inquiry for supplies on the spot. Trading was quiet and limited stocks were quoted nominally at $8.50 to $9 per gallon, in drums, an increase of $3 to $4 per gallon.

Peanut—Trading in crude oil was reported fairly active at 25c per pound, f.o.b. for prompt and nearby shipment. Refiners withdrew interest and adopted a waiting policy late in the week.

Soybean—Heavy trading took place in crude oil at 23c per pound, bulk, f.o.b. mills for nearby shipment and 20c per pound, same basis, for distant futures last week. Consuming inquiry slackened late in the period, but the market remained steady.

Maximum rate for storage of soybeans, except by certain elevators in Iowa, is 7½ cents per bushel for at least 90 days, but not exceeding 240 days and 1/30 cent per bushel per day after 240 days. The storage rate in Iowa is 8½ cents per bushel including insurance or 7½ cents if the depositor provides the insurance, according to an amendment by OPA, effective October 17.

Tung—A good inquiry was reported last week and moderate quantities were available for spot and prompt delivery at ceilings. Interest in nearby and forward requirements was reported fair, with offerings for shipment generally held at ceilings. Since V-J Day through July 1946 exports of tung oil from China were 11,000 short tons, or about 15 percent of prewar shipments, according to the American Consulate General in Shanghai. Of this amount 60 percent went to the United States, 20 percent to the United Kingdom, 15 percent to the Soviet Union and the remaining 5 percent to other European countries. Exports of tung oil are expected to range from 10,000 to 15,000 tons during the remainder of 1946. In addition to the oil requested by barter agreement, the Soviet Union are buying in the local markets. China's prewar, 1935-39 exports averaged 82,128 short tons annually, of which 70 percent was shipped to the United States. Some effort has been made recently by the Chinese government to guarantee the quality of tung oil for export, free of adulterants. Prevailing high prices of cottonseed and lubricating oils, most commonly used adulterants, make their use prohibitive.

Fats and Greases

Grease—Trading was practically at a standstill, as limited production was reported held in the expectation of price decontrols being lifted shortly. Demand was urgent. A total of 694,913,000 pounds of fats and oils were salvaged during the four years ended last July, it was announced by the American Fat Salvage Committee.

Lard—Market was firmer under an urgent demand but supplies were scanty. Bids were advanced for prime steam to 39c. per pound, tierces and loose to 38c., Chicago basis. No sales were reported at these levels, though trading was reported at much higher prices in the outside market there.

Tallow—Producers were not offering and were reported holding supplies for the decontrol of prices. It was predicted that when ceilings were lifted, quotations would advance sharply.

Animal Oils

Degras — Trading was spasmodic for prompt delivery. Market was steady and reflected the firmness of other fats. Crude was unchanged and firm at 10c. to 12c. per pound. Neutral, less 2 percent acid was quoted at 22c. to 24c. per pound and more than 2 percent at 21c. to 23c. per pound, as to quantity.

Grease Oil—Production was reported light and sold well ahead. Demand was active, with offerings scanty.

Oleo Oil — Consuming inquiry was keen last week. Trading was restricted by the scarcity of supplies here. Reports from Chicago stated business was transacted at 33c. per pound.

Neatsfoot—Business continued slow, though inquiry was fairly active. Production was reported small and delivered against former orders.

Fish Oils

Menhaden — Trading in crude and refined oils was at a standstill last week. Producers refused to accept bids of 8.9c. in view of the higher prices for fish scrap and sardine oil. Inquiry for refined oil continued active.

Baltimore, Oct. 23.—Bad weather conditions of late has curtailed fishing in the Chesapeake, off the Delaware and New Jersey coasts and operations have been almost suspended. Producers continued to show no interest in bids at ceilings for crude oil and are at a loss to determine why there should be a ceiling on oil and none on scrap when both products are derived from the same source.

Sardine—Active bidding was reported for crude oil at the higher ceiling—10.4c. per pound, bulk, works. Offerings were scanty as production was extremely light. Disastrously small catches of Pacific sardines are continuing to make the current season, now well into its third month of fishing, one of the poorest in the history of the sardine industry, the Fish and Wildlife Service stated. Landings of sardines at San Francisco, Monterey and San Pedro had totaled only 33,619 tons by October 11, compared with 192,969 tons on the same date last year. The fishing season began August 1 at the two northern ports and October 1 at San Pedro. Oceanic conditions, such as water temperatures, are known to affect the distribution and habits of the schools and may be in part responsible for this year's poor fishing.

Los Angeles, Oct. 23.—Brisk demand for crude oil at 10.4c. per pound was reported last week, but short supplies limited trading. The catch for the season to October 18 was 54,882 tons, compared with 230,346 tons for the same period last year.

Sperm—Ceilings on sperm oil were removed by OPA, effective October 24.

Fatty Acids

Red Oil—Scarcity of grease continued to curtail production of red oil.

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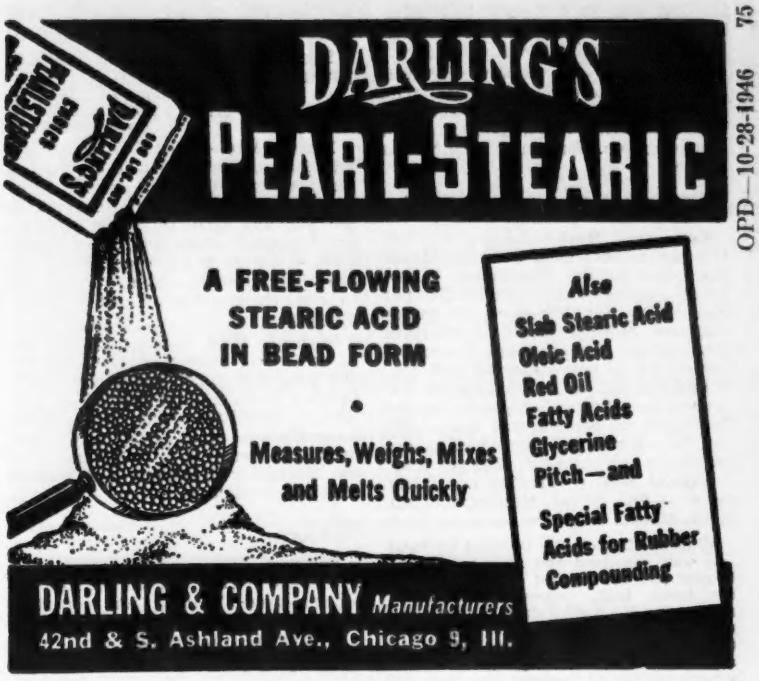

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Demand exceeded supplies with makers unable to accept new business. Prices were unchanged at ceilings.

Stearic Acid—No improvement was reported in the output of stearic acid. Raw materials were unobtainable and light production was delivered against former orders. Consuming inquiry was active.

Cake and Meal

Cottonseed Meal — Trading was active and market firm, with most trading noted in the Mississippi Valley. Prices appeared stablized at $90 per ton, Valley for November-December shipment, and practically all offerings were taken. Scattered sales were reported for 36 percent at $85 per ton, South Carolina and $80 Georgia for prompt and forward shipment. In the Southeast, 36 percent was bid at $85 and 41 percent, $90 per ton. Crushers purchased cottonseed at $100 per ton.

Linseed Meal — Trading was fairly active at $95 per ton, Minneapolis, last week. Market was firm.

Minneapolis, Oct. 24.—Demand for meal was well sustained and after a burst of buying put the market to the $100 per ton level, bulk, prices settled down around the $95 mark. Many buyers were resisting the high price for meal but there were plenty of others who were not daunted by the high price and a steady volume of business was done on a hand to mouth basis. Shipping instructions were brisk and much meal, which has been held in store, appeared on the market at $94-96 per ton.

Shipments of linseed meal, in pounds, were as follows:—

	1946-47	1945-46
This week	8,160,000	12,420,000
Since Sept. 1	57,460,000	87,240,000

Peanut Meal—With CCC contracts withdrawn, crushers were bidding for peanuts in the open market. Sales of 45 percent meal were reported at $90 per ton, f.o.b. mills for November-December shipment. Based on 25 cents crude oil and $90 meal, crushers are fairly close to edible trade levels to compete for peanuts for crushing purposes.

Soybean Meal—Substantial volume of sales was booked at $80 and $85 per ton, bulk f.o.b. Decatur for November through next September delivery. Fertilizer trade purchased a large tonnage at these figures. Some producers were said to be sold up for November-December and limited offerings to futures.

Waxes

Beeswax—While this market was unchanged it reflected the easiness in other waxes. Trading was reported light and confined to small lots.

Candelilla—Routine demand was reported at current levels. Supplies were adequate to cover spot requirements.

Carnauba—Increased offerings on the spot and an easier Brazilian market created a weaker tone and prices were reduced on the spot for most grades. Buying interest was quiet for spot delivery and for shipment. Offerings for shipment were reported limited to small quantities. No. 3 North country was quoted at $1.65 to $1.67 per pound; No. 3 North chalky, $1.55 to $1.58; refined, $1.75 to $1.80; No. 1 yellow was nominal at $1.95 to $2 per pound, and No. 2 at $1.93 to $1.98 on the spot, according to quantity.

Montan—Business was light and spasmodic. Quotations were unchanged.

Ouricury—Small lots were reported in fair demand. Prices were reported unchanged and none too steady.

Protective Coatings

—Continued from page 70

by producers that this "cooling off period" will have an advantageous effect on the market and afford supply a chance to regain an adequate balance with demand at prices that would be more reasonable than the present high quotations.

Chicago, Oct. 24.—Call for rosin was slow and the market was without much new interest. At the same time, values were holding at relatively high prices. Ruling prices in five-drum lots were: B grade, $8.80 per 100 pounds net; G grade, $9.90; M grade, $9.90; W. W. grade, $9.95.

Savannah, Oct. 25.—Following is a record of the rosin market for the week:—

	Price per unit — Low of range quoted				
	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$6.80	$6.80	$6.80	$6.80	$6.80
D	7.00	7.00	7.00	7.00	7.00
E	7.33	7.33	7.33	7.33	7.33
F	7.82	7.82	7.82	7.82	7.82
G	7.90	7.90	7.90	7.90	7.90
H	7.90	7.90	7.90	7.90	7.91
I	7.90	7.90	7.90	7.90	7.91
K	7.90	7.90	7.90	7.90	7.91
M	7.90	7.90	7.90	7.90	7.91
N	7.90	7.90	7.90	7.90	7.91
WG	7.90	7.90	7.90	7.90	7.91
WW	7.95	7.95	7.95	7.90	7.96
	Drums				
Sales	74	...	119	...	126
Receipts	12	142	101	200	257
Shipments	...	...	...	...	...
Stocks	11,962	12,104	12,205	12,405	12,662

Turpentine—There was no change in this market over the past week as tight supplies continued to dominate the picture. Heavy demand and good buyer interest was noted but producers were handicapped by the lack of surplus stocks from meeting the situation. The tight supply situation continues to become increasingly difficult as the weeks roll by, since the Fall and Winter scrape crop can hardly be expected to improve the prevalent scarcity. Demands in New York for tank cars remained high with buyers occasionally being able to locate one or two.

Chicago, Oct. 24.—Call for turpentine was fairly good, with the price structure holding unchanged. Ruling prices were: Five-drum-lots, $1.20 per gallon; single drums, $1.24 per gallon.

Savannah, Oct. 25.—Following is a record of the turpentine market for the week:—

	Bulk gallons — Cents	Sales	Barrels — Receipts	Shipments	On hand
Monday	$1.05	...	60	57	3,637
Tuesday	1.05	...	61	85	3,613
Wednesday	1.05	...	170	216	3,567
Thursday	1.05	...	213	108	3,672
Friday	1.05	...	207	162	3,717

Varnish Gums

Demand was heavy in this market but there were no spot stocks available. Supplies emanating from Singapore and the Philippines were good and those from the Dutch East Indies moderate with an expectancy to become much better as soon as production and shipping facilities are rebuilt out of the havoc reaped on them during the war. Domestic shipping and trucking strikes have tied up shipments considerably. One seller reported that fairly good stocks had arrived but had not been unloaded due to the shipping strikes. Foreign markets were assuming a competitive spirit with the resulting possibility that the price range may be lowered.

Shellac — The market remained steady and unchanged over the previous week when a firmer tone was reported. Demand and inquiries were moderate with a tendency to become quiet. The price structure was holding with no changes being effected.

Glues and Binders

Casein—The industry was awaiting solution which the Argentine government agency, Institution for the Promotion of Trade, will finally formulate. Trade circles expect the present critical situation to become worse before it gets better. With few exceptions, it is almost certain that there will be no new shipments originating in Argentina for at least two months. Although the Institute for the Promotion of Trade does not give a reason for this, it is thought by leading casein importers that the Argentine government is attempting to purchase this material from local producers at almost one-half the price asked of foreign buyers. As a result, Argentine producers are apparently withholding their stocks until a more beneficial profit be afforded them.

Domestic casein is in very small production with only a negligible amount available to help relieve the tight situation.

Shipments of foreign casein arriving now constitute a backlog which had been negotiated for before August 24. Imports for the past week consisted of 5,415 bags from Argentina. There were no prices being made available for quotation.

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Petroleum Derivatives

The petroleum derivatives market varied little last week from the levels of activity it had maintained for several weeks previous. Most of the petroleum derivatives were in good supply, buyer interest was keen, and movement against orders was regular and fairly prompt. The waxes and petrolatums continued to pose a supply problem, but producers were exerting every effort to rectify the situation and it was assumed that eventually the market would attain a normal position.

An American Petroleum Institute report estimated the daily average gross crude oil production for the week ended October 12 at 4,737,400 barrels. Daily production for the four weeks ended October 12 averaged 4,756,650 barrels.

Imports of crude petroleum during the past week included 765,934 barrels. Gas oil totaling 40,111 barrels and fuel oil amounting to 24,272 barrels arrived in American ports from Aruba.

A California producer offered crude petroleum at prices from 88c to $1.97 per barrel depending on the gravity of the oil and the field from which it came.

Solvents and Diluents

Aromatic Naphthas—Buyer interest continued strong last week as large volume shipments of material were readily available for immediate delivery. Prices were firm at the previous level, and no variations were reported in any major markets.

Cleaners' Naphtha — Seasonal consumers continued to lend impetus to the trading, as other buyers maintained only a moderately active interest. Prices were fairly steady at the previous levels. Materials were in good supply and available for prompt delivery.

Lacquer Diluent—Contract and spot deliveries were rapidly filled last week as moderate offerings were made available in the market and buyer interest held at a fairly high level. Prices were steady and unchanged from those levels which have been effective for several weeks.

Mineral Spirits—Trading was only routine last week although liberal offerings were available, and prompt delivery was assured. In spite of the quiet market, prices were held fairly steady at the previous levels.

Rubber Solvent—The market continued to operate at a fast pace last week as buyer interest was at a high pitch, and fairly liberal quantities were available for prompt shipment. Prices held steady at the previous levels, and there was no indication that there would be any changes effective in the near future.

Stoddard Solvent — Prices for this derivative were raised ½c. per gallon in tankcars in western Pennsylvania to a price of 7¾c. per gallon. Inquiries, which have been increasing rapidly in the past few weeks, were met with substantial shipments, and the market was in general highly active. Prices at other centers were unchanged.

V.M. & P. Naphtha — Both supply and demand were in excellent condition in an extremely active market last week as there was no sign of the rapid pace slowing for some time. Prices were firm and remained at the previous levels.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended October 12 totaled 221,931,000 barrels according to the Bureau of Mines. Compared with the total of 221,782,000 barrels for the preceding week, this represented an increase of 149,000 barrels, comprising an increase of 120,000 barrels in stocks of domestic crude and an increase of 29,000 barrels in stocks of foreign crude.

Market Trends

Prices Advanced

Stoddard solvent, Pennsylvania, western, ½c. per gallon.

Prices Reduced

None

(*For Current Prices see Page 9*)

Markets at Other Centers

Chicago—Buyers were in the market for paint industry products and to some extent some of the other materials in solvents and diluents. Orders showed a generally active tendency.

Aromatic Naphthas—Buying good, no market change.

Cleaners' Naphtha—Call fair, prices firm.

Lacquer Diluent—Interest active, market holding.

Mineral Spirits — Interest moderate, without price change.

Rubber Solvent—Call fair, prices unchanged.

Stoddard Solvent—Interest good, market firm.

V.M.&P. Naphtha — Active business, steady prices.

Los Angeles—Call for petroleum solvents and diluents remained good in this area. Liberal supplies continued to make the market active.

Lighter Fractions

Butane—This derivative continued in fairly good supply and there was an active interest on the part of manufacturers of synthetic resins. Deliveries against earlier orders were well maintained, and prices held steady at the previous levels.

Heptane—Buyer interest was primarily concentrated on spot stocks for immediate delivery last week, although inquiry for future delivery was slightly improved over the situation during recent weeks. Stocks were gradually improving, and buyer interest in general was increasing. Prices were firm and unchanged during the period under review.

Hexane — Deliveries were maintained at a good rate for spot stock orders last week, but the general condition of the market was dull. Inquiry for future deliveries was only routine, and spot stocks did not arouse more than a mild interest. There were no price changes reported during the week.

Propane—Fuel materials attracted special attention from industrial consumers last week and the market maintained its unusual activity as a result. Large volumes of material were available and moving, but the buyer interest was so steady that prices were tending to firm.

Markets at Other Centers

Chicago—Interest in the lighter hydrocarbons was at an active stage, with offerings not particularly burdensome and with inquiry good.

Butane—Buyers in market, price firm.
Heptane—Business fair, prices steady.
Propane—Business good, stable quotations.

Los Angeles—Propane and butane continued to move in steady volume. Supplies were good.

Petrolatums and Waxes

Microcrystalline Waxes — Demand continued to outrun production last week although producers were straining their facilities in an attempt to satisfy consumer needs. Shipments on earlier orders were fairly well maintained, but those on new orders were far behind. Prices were steady and unchanged during the period under review.

Paraffin—Few spot stocks were available anywhere last week as production failed to meet demand. Producers were making every attempt to improve the stock situation, but many consumers were without material. Prices held firm at the previous levels.

Petrolatums—Very little material was available last week, and trading was limited as a result. Prices continued to firm and it was expected that there would be price increases unless the shortage problem met with a rapid solution.

White Mineral Oil—The increasing availability of material sponsored an active market last week as buyer interest was aroused by future prospects of supply. Prices in effect held firm at the previous levels.

For Late Market Developments, See Page 4

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PETROLATUMS—WHITE OILS
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All grades PARAFFIN and MICROCRYSTALLINE WAX PETROLEUM SULFONATES
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SPECIAL ITEMS FROM STOCK

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VACUUM STILLS, KETTLES, TANKS

2—Closed Jack. agitated Kettles with coils: 1—1,200 gal., 1—900 gal.

1—1,200 gal. closed jack. Kettle or Vacuum Still.

3—Closed jack. agitated Kettles or Vacuum Stills.

1—330 gal. closed jack. agit. Kettle.

28—250 GAL. NEW CLOSED HORIZONTAL STORAGE TANKS, OVAL SHAPED, APPROX. 40" AND 28" BY 61" LONG, 18" ROUND MANHOLE IN TOP, ¼" PLATE.

CRYSTALLIZERS
VACUUM PAN DRYERS

3—Buflovak 6' dia. Jacketed Vacuum Pan Dryers or Crystallizers—also two of atmospheric type, same size, also jacketed and agitated—300 gallons capacity—cast iron—jackets cast integral with shells.

5—Swenson-Walker Continuous Steel Jacketed Crystallizers, Mixers or Dryers, each made up of four 24"x26"x10' long sections with heavy spiral ribbon agitators. Each unit with worm gear speed reducer.

DRYERS

1—Devine VACUUM SHELF DRYER, 14 shelves, 40x42; also 10-SHELF DRYER, Complete.

2—A. N. 4' dia. x 9' long atmospheric double drum dryers complete.

3—B. & C. 28" dia. x 60" face Atmospheric DOUBLE DRUM DRYERS complete.

2—Direct heat ROTARY DRYERS: 5'x30', 6'x35'.

6—ROTARY VACUUM DRYERS; 1—Devine, 5'x30'; 3—Devine, 4'x35'; 1—Devine, 4'x30'; 1—Struthers Wells, 30"x12'.

1—6'x35' Louisville Direct Heat single shell Rotary Dryer.

2—5'x50' Direct Heat Rotary Dryers.

1—4'x20' Ruggles-Coles Indirect Heat Rotary Dryer.

2—4'x20' ROTARY KILNS, Ruggles-Coles, geared-head, motor drive.

GEAR REDUCERS and MIXERS

41—Phila. type HVT, Class 1, size 1100, GEAR REDUCERS, ratio 88 to 1, horsepower 16.7 at 1750 RPM.

29—Phila. MOTO-REDUCERS, with 2 HP 2 speed, totally enclosed, fan cooled and explosion-proof motors. Vertical; Output speed 87 and 29 RPM at HP 2/.67.

1—Colton No. 14 FULLY AUTOMATIC TUBE FILLER, Closer and Clipping Machine. Can be adapted for Clipless Closure.

1—Stokes No. 2 gear type TUBE FILLER.

1—Colton No. 2 worm type TUBE FILLER.

1—Stokes TUBE CLOSER & CLIPPER.

1—Colton No. 3 TUBE CLOSER and CLIP FASTENER.

2—Stokes Hand Tube Fillers.

4—Hand Closers and Crimpers.

26—150 gallon STAINLESS STEEL TANKS.

2—20"x48" water cooled 3-ROLLER MILL.

1—16"x40" Lehman 3-ROLLER MILL, water cooled, motor driven, upright type.

4—Stokes "R" Single Punch TABLET MACHINES, m.d.

VACUUM PANS
(All Copper)

1—18"x48" exp., with Agitator.

1—40 gal. Burkhard, Coils and Jacket.

1—150 gal. 30"x24", Jacketed, agitated, with Condenser, catch-all, Vacuum Pump.

1—125 gal. 30"x30", Jacketed with condenser.

1—250 gal. 40"x37", Jacketed with condenser.

1—250 gal. Copper Jack. agit. closed Kettles or Vac. Stills.

1—World straight line auto LABELER, M.D.

2—Weeks McDonald straight line fully automatic LABELERS, motor driven.

10—Copper & Aluminum KETTLES to 500 gal. cap.

8—World and Ermold semi-automatic LABELING Machines, MD

1—F. J. STOKES NO. 15 auger POWDER FILLER.

1—Dopp 500 gallon cast iron jacketed KETTLE.

1—F. J. Stokes auger Powder FILLER.

1—J. H. Day auger FILLER.

2—Colton No. 3 TOGGLE Globule PRESSES, for making capsules.

11—250 gal. closed GLASS LINED TANKS.

1—Pneumatic Scale six head Capping Machine.

Approximately 500 feet of STEEL BALL BEARING ROLLER CONVEYOR, from 17 to 32" widths.

4—NEW, UNUSED BAKER PERKINS 150 gal. capacity, 100 gal. working capacity MIXERS, equipped with double sigma blades, steam jacketed, SIZE 15, STYLE VI, TYPE BS, equipped with Hydraulic tilting device, roller bearings throughout.

MISCELLANEOUS

8—Raymond PULVERIZERS—4-Roll High Side; Nos. 1, 0, 00, 000, two Bowl Mills.

7—Hardinge CONICAL MILLS: 8'x30", 6'x22", silex lined; 10'x48", 8'x30", 6'x22" and 3'x8", iron lined.

6—ATTRITION MILLS, Bauer and Robinson, 22", 24", 30", 36"—motor driven.

8—Vibrating SCREENS: two 3'x6' Sturtevant 2-deck all-enclosed; three 3'x5', 4'x3' 1-deck Tyler Hummers.

Only a partial listing. Space does not permit listing all items. Send us your inquiries.

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Help Create these JOBS. Send your list NOW to "CONSOLIDATED"

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WE OWN . . .

2—Devine Vacuum Shelf Dryers, with 10 42"x42" shelves.
1—Buffalo Vacuum Shelf Dryer, with 14 60"x80" shelves.
1—Lab. Devine Vacuum Shelf Dryer, with condenser.
3—Rotary Vacuum Dryers, 1½'x 3½', 30"x8', 4'x10'.
1—6'x27'6" Rotary Steam Tube Dryer.
3—Buflovak Vacuum Drum Dryers, 24"x20", 48"x40", 5'x6'.
8—Rotary Dryers, 6'x18', 4½'x38', 6'x35', 5½'x40', 7½'x65', 10'x90'.
1—7½'x130' Rotary Kiln.

JUST PURCHASED!

1—Patterson 6'x8' Pebble Mill.
1—Patterson 5'x4' Pebble Mill.
1—Patterson 6'x5' Ball Mill.
1—American 16"x40" 3 Roll Mill.
2—Lehmann 5 Roll Roller Mills, 20"x48".
9—Gyro Sifters, 20"x48".
10—1000 and 2000-lb. Powder Mixers, NEW.
6—Readco and Baker Perkins 100 gal. Jacketed, Heavy Duty, Double-Arm Mixers.
4—Shriver Filter Presses, 18", 24", 30", Plate Framed & Recessed.
7—Duriron & Lead Centrifugal Pumps, 1" to 3".

2—100 gal. Pebble Mills, rubber lined.
1—Abbe 10 Jar Mill, motor driven.
1—Schutz O"Neill 16" Ball Bearing Style "D" Limited Mill.
1—Hardinge Ball Mill, 2'x8".
1—Williams No. 1 Hammer Mill.
1—Day 18" Ointment Mill.
2—Mikro Pulverizers, 18H, 5 H.P.
2—Abbe Bluttergess Sifters.
8—Tyler Ro-Tap Sieve Shakers.
1—No. 150 Kelly Pressure Filter.
2—Vallez Filters, Lab. & No. 49.
2—American 4' 4 Disc and 6' 2 Disc Rotary Continuous Filters.
6—Oliver 8'x6' Rotary Hopper Dewaterers, New.
3—Oliver Filters, 3'x3', 5'4"x6'.
6—Shriver, Sperry Filter Presses, 12", 18", 24", 30", 32", 36".
5—Shriver Wood Filter Press Skeletons, 18" to 42".

4—Sharples No. 6 Centrifuges.
2—De Laval No. 600, 700 Clarifiers.
1—48" Suspended Type Centrifugal, direct motor driven, solid basket, 1150 RPM motor.
5—Tolhurst 32", 40", 48" Self-Balancing Type Centrifugals.

11—Stainless Steel Jacketed Kettles, 60, 80, 100, 150, 300 gal. New.
10—Braud New Stainless Steel Tanks, 100, 200, 300, 500 gal.
6—Pfaudler Jktd. Agtd. Kettles. 100, 125, 200 gal.
2—60 and 125 gal. Alum. Jktd. Kettles.
10—Copper Jktd. Kettles, 25 to 150 gal., some agitated.
8—Steel Jktd. Kettles, 375 to 1,200 gal., some agitated.
1—60 gal. Cast Semi-Steel Autoclave, agitated, 2" wall.
1—Zaremba Copper Evaporator, 500 sq. ft. vert. tubes.
5—Copper and Steel Vacuum Pans, 2', 4', 6', 7'.
5—Evaporators, single quadruple to effect, 500 to 10,000 sq. ft.

TABLET MACHINES

15—Stokes "R." 2¼".
1—Stokes Rotary DD32, 1 3/16".
10—Stokes Rotary D4, 31/32".
3—Colton Rotary, ¾".
1—Mulford Single Punch, 1¼".
10—Stokes "F." ¾".
5—Colton Single Punch, ⅝".
All the above practically new, ready for prompt shipment.

1—W. & P. 20 gal. stainless steel, double-arm Mixer.
1—Day 600 lb. Powder Mixer.
1—Day No. 10 Imperial Double Arm Jacketed Mixer.
5—Day, W. & P. Readco Double Arm Mixers, ½ to 100 gal.
1—Readco 4 gal. Stainless Steel, Double-Arm Mixer.

3—S. & S. auger type powder fillers.
2—Burt Automatic Can Labelers.
1—Filler Machine 4 Spout Filler.
1—Karl Kiefer Visco Piston Type Filler, motor driven.
5—World, National Labelers.
10—12" Belt Conveyors, 20 to 50' centers, built to specifications.
3—Cappers, Elgin Kinex.
7—Bucket Elevators, from 12' to 50' high, steel housing.

1—Anderson No. 3 Moisture Expeller.
1—Schaeffer Poidometer, 20"x4'.

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1—CECO Adjustable Carton Glue Sealing Machine. In excellent condition.

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11—Sharples No. 5A Stainless Oil Purifiers, latest type, 2 H.P., Motor Driven.
2—Batteries (6 & 9) Tolhurst 40" Suspended Type Centrifugals, Motor Driven, Bottom Discharge.

1—Chrystie 80'x45' Rot. Dryer.
3—Oliver Rotary Vac. Filters, 8'x 10' and 5'x6'.
1—Raymond 3 Roller High Side Mill, complete, 65 H.P. motor.
2—Dorr 15' Bowl Classifiers.
1—Hardinge 5'x8" Conical Ball Mill.
1—Gayco 3' Centrif Air Separator.
1—Sturtevant 36" Rock Emery Mill.
1—W. & P. 9 gal Double Arm Mixer, 2 H.P. motor.
1—Abbe 24"x30" Pebble Mill.
1—Sharples No. 6 Centrifuge, 2 H.P.
4—Stainless Steel Jack. Kettles, 40 60 and 350 gals., 2 with agitators.
1—Hammer Mill, 7½ H.P.
Jeffrey 15"x8" Swing Hammer Mill.
1—Jeffrey No. 4 Single Deck Conveyor Screen.
25—New stainless Steel Tanks, 100 to 1,000 gals.
1—Howes "Mogul" Heavy Duty Packer.
2—6 spt. gravity Bottle Fillers.
New Water Stills, Gas and Elec
New 40 gal. Pony Mixers.
300-ft. Ball Bearing Roller Conveyor, 12" wide.
12—Filter Presses, Iron, Wood and Rubber, 18" to 42" sq.
4—Centrifugals, 20", 26" & 40".
5—0000 and No. 0 Raymond Mills.
1—Bonnot 27" dia. Iron Filter Press.
10—Closed Steel Vac. Kettles & Stills, up to 1,000 gals.
12—Vert. Jack. Agit. Kettles & Autoclaves to 1,500 gals.
2—240 & 1,500 gal. lead lined kettles.
1—250 gal. copper jack. vac. Still & Receiver.
1—Pfaudler 250 gal. Jack. Agit. Steel Kettle, Copper Lined.
1—700 gal. steel copper lined vac. Filter Tank.
6—20, 35, 75 & 250 gal. closed, jacketed Copper Kettles.
1—Dopp 50 gal. Jacketed Kettle.
15—60 gal. Steel mixing Tanks.
1—Blystone 2,000 lb. horiz. Spiral & Paddles Steel Mixer.
6—Horizontal Mixers, 20 to 250 gals., Single & Double Arm
1—Faust 150 gal. Spiral Mixer
2—Devine Horiz. Vac Pumps 8"x6"x4"x6"
2—Worthington 12"x12"x12" Vac Pumps.
1—National Acme Model C20 stainless Steel Centrifuge.
2—De Laval Multiple Clarifiers. 300 & 301.
2—Rotary Screens, 18"x72".
6—Attrition Mills & Disc Grinders up to 72".
3—Double Stand Steel 4 Roller Mills, 7"x18" to 7½"x30".
10—Iron Mills, 12", 14" & 18".
8—Stone Mills, 8" to 32".
6—Lead & Paste Mixers to 72 gals.
2—Varnish Kettles, 200 gals.
25—Steel & Wood Tanks, up to 4,000 gals.
1—Schutz-O'Neal 28" Pulverizer.
2—Double Roll Crushers
1—Williams No. 3 "Regular" type Hammer Mill.
10—Electric Agitators, ¼ to 3 H.P.
20—Rotary, Centrif. & Triplex Pumps.
6—Gas Boilers, up to 10 H.P.

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Rhodes Industrial Corp. Organized

Philip H. Rhodes has announced the formation of the Rhodes Industrial Corporation, with offices and laboratories in East Hampton, N. Y. The new corporation will engage in the development and manufacture of fine chemical and synthetic resins, independently and on a contract basis.

Mr. Rhodes, president of the company, has recently been acting as consultant in the chemical field, specializing in synthetic resins. Prior to that he was vice-president in charge of the Penacolite division of Pennsylvania Coal Products Company.

The treasurer and chief chemist of the new organization is Alfred L. Alk, who was with the Arco Company, Cleveland, before entering the Army.

Pittsburgh Plate Buys Morck Brush Co.

The Pittsburgh Plate Glass Company, Pittsburgh, Pa., has purchased the Morck Brush Manufacturing Company, San Francisco. The acquisition will continue operation as the Morck Brush Division of the Pittsburgh Plate Glass Company.

Frank F. Tippett, formerly associated with the Pittsburgh Plate Glass Company's Baltimore brush plant, will manage the newly acquired factory. Another plant, designed to manufacture brush handles, is operated by the Brush Division at Keene, N. H.

Trade Briefs

Seifert Paint & Supply Company has been organized in New York.

Gobelite Products, Inc., has been organized in Baltimore to deal in paints.

La Boff Paint Company, Brooklyn, N. Y., has changed its corporate name to La Boff's, Inc.

Porter Paint Company, Louisville, Ky., has filed amended articles of incorporation authorizing the increase in capital stock from 15,000 to 20,000 shares of no par value.

General Electric Company's plastic division will submit a proposal to erect a $1,466,000 resin and compound plant at Pittsfield, Mass., to the company's board of directors.

LIQUIDATION!

TANKS

4—James Hunter Saturating Tanks, rubber lined.
1—5,000 Gallon Steel Storage Tank.
4—8,000 Gallon Steel Pressure Tanks.

1—500 Gallon Devine High Pressure Autoclave.
4—H&T Water Filters, 8' x 20'.
3—Turbo Generators, from 400 KW to 2750 KW.
75—Ton Cast Iron Pipe 8" to 18".
4—High Pressure Water Tube Boilers from 250 HP to 600 HP.
1—Worthington Steam Pump 14x14x10, brass fitted Bristol Counter.
1—Worthington Steam Pump 14x19x15, iron fitted.
1—Paterson Silex Lined Pebble Mill.
1—General Electric Flow Meter, Type F-12.

Republic TEXTILE EQUIPMENT COMPANY
40 Worth Street, New York 13, N. Y
Phone: COrtlandt 7-1591

EQUIPMENT FOR CHEMICAL AND ALLIED INDUSTRIES

1—Stokes Steel Jacketed Kettle, 5'x6'.

1—Struthers Wells Steel Jacketed Autoclave, 23½" dia., 32" deep (inside dimensions), 100 lb. PSI steam or vacuum.
1—Edge Moor Iron Works Jacketed Autoclave, with horse shoe agitator, 42" dia., 4' deep.
1—Alloy Fabricating Co. Jacketed Kettle, 5'x7', with Agitator, 30 HP Motor & Speed Reducer.
1—Impregnating Tank, with bascule cover & rack tray, 5'x8'.
1—Lab. Vacuum Shelf Dryer, 2 Shelves.
1—Buffalo Lab. Vacuum Shelf Dryer, Type A.
1—Shriver Iron Filter Press, 36"x 36", Plates & Frames.
2—W & P Jacketed Mixers, 1,200 gals.

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UNION, N.J.
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DESIRABLE EQUIPMENT AVAILABLE *NOW*

1—KARL KIEFER No. 3 Rotary Gear Visco Filler.
1—KARL KIEFER 12-spout Rotary Vacuum Filler.
1—COLTON 4½ T Single Punch Tablet Machine.
1—STOKES "D" Rotary Tablet Machine.
1—KUX Rotary Tablet Machine, 1" dia.
1—SPERRY Cast Iron Filter Press, 24"x24", 44 plates, open delivery.
1—DEVINE No. 9 Vacuum Shelf Dryer, 13 shelves, 40"x43", with Vacuum Pump & Condenser.
1—BUFFALO Foundry Bronze Drum Dryer, 24"x20".
1—W & P Jacketed Mixer, ½ gal. capacity.
1—PFAUDLER 150 gal. glass-lined Vacuum Pan.
5—PFAUDLER Open & Closed, Jacketed, glass-lined Kettles—75-400 gal. capacity.
1—SCHUTZ ONEILL 28" Model "D" Limited Pulverizer.
1—RAYMOND Impact 10" Pulverizer.

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NO DELAY—HOT ITEMS

1—125 gallon Blaw Knox Jacketed and agitated autoclave.
2—Tolhurst extractors, 30" and 40".
1—5 barrel W & P mixer—30 H.P. motor.
3—U. S. and K. K. bottle rinsers—60 and 72 spouts.
2—M & S fillers—4 and 6 pockets.
1—170 gallon jacketed mixer—aluminum lined.

10—NEW VACUUM FILLERS—8-10-12 spout.
5—NEW 1,000 lb. powder mixers.
5—NEW No. 20 hammer mills.
20—NEW S.S. Tanks and Kettles, 50 gallon to 250 gallon.

1—1,350 gallon copper still.
2—50 gallon vacuum stills—copper and glass lined.
10—Automatic and semi-automatic labelers.
5—Tablet machines — Colton and Stokes models, E, F, T.
2—Premier and Eppenbach colloid mills—M.D.
2—Stokes vacuum pumps, 225 CFM.
1—250 gal. Devine vacuum still.

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FOR SALE

Stainless Steel Tanks, new, 100 and 200 gal., dished bottoms with stands.
9—New Stainless Steel Jacketed Kettles, 30 and 40 gals. capacity; 2—100 gal.
1—Stedman 40" Cage Disintegrator.
Stainless Steel Vert. Tank, 7' dia. x 10', No. 430 Chrome.
New Elec. Immersion Heaters, stainless, 500 watt, 115 volt—$15.00 each.
Copper Tank with Agitator and Coil, 60" dia. x 7' high.
1—International Centrifuge, size 3, Type FS, stainless steel with motor.
1—DeLaval Lab. Separator with ⅓ H.P. motor.
1—18 spout Karl Kiefer Rotary Filler.
10—New Sharples Oil Purifiers.
6—DeLaval Ime Pumps, 2" suc. 2" disch. (new).
Stainless Steel, Milton-Roy, Pumps (new), with G.E. explosion-proof motors.

SPECIAL
10—Steel Storage Tanks, 24' dia. x 20' high, with closed tops

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Business Wants and Offers

RATES PER INSERTION—PAYABLE IN ADVANCE

Help Wanted and Positions Sought—Minimum $2.00, thirty-six words or less; 35c for each additional six words.

All Other Classified Advertisements—$5.00 thirty-six words or less; 85c for each additional six words or fraction.

AGENCIES WANTED

Good territory open for agents on liberal commission basis by an old established firm of importers of industrial minerals and earth colors. For full particulars write to Charles B. Chrystal Company, Inc., 53 Park place, New York 7.

Established Cincinnati firm would be interested in representing producers of raw materials used in the paint, ink, rubber, soap and various other industries in southern Ohio territory. OPD 170.

Sales Representation in Virginia by registered chemical engineer experienced in sales and operation. Financially sound. Building office and warehouse now. Seeking accounts of proven products in industrial chemical and equipment field. OPD 186.

Technically trained sales agent is interested in representing manufacturers of advertised pharmaceutical specialties or chemical proprietaries in the New York area. Have office facilities and space for limited stock from which to supply wholesalers. OPD 192.

DRUMS WANTED

Empty 55-gallon drums, ICC 17E or 5B. Interested in carload quantities. Quote, giving full information. OPD 198.

EQUIPMENT OFFERED

For immediate sale: 2 new electric cabinet type ovens, 55 in. high by 30 in. wide by 35 in. deep inside dimensions, 12 KW, 440/3/60, precision recording control, complete safety equipment, ramp and track for truck, maximum operating temperature 450 deg. F, never been used. $875 each. George Koch Sons, Inc., Evansville 4, Indiana.

EQUIPMENT OFFERED

Vacuum bottle filler—three spout Ertel designed, fully automatic overflow return, accommodates any size bottle with adjustable non-drip. Equipped with A-C motor, reasonably priced. Cristy Chemical Corp., 21 Putnam Lane, Worcester 4, Massachusetts.

2 Filter presses built by Carbondale Machine Co., Carbondale, Pa., 4-ft. dia. complete with 300 plates. Spare plates, rings and blankets will be furnished. Condition like new; 2 new stainless steel holding tanks, 950 gallons capacity, 5-ft. dia. by 6 ft.-1 in. high seam to seam. Coned top and bottom with 18-in. manhole on top. Tank mounted on 4 legs. De Carlo Bros., Inc., 2 Mary street, Newark 5, New Jersey, MArket 3-4067.

EQUIPMENT WANTED

Glass-lined jacketed kettle wanted, from 40 to 80-gallon capacity, with agitator and stuffing box. WHitehall 4-0709, Ext. 2.

One 50-gallon glass-lined jacketed vacuum still with condenser and pump. Ziegler Pharmacal Co., 500 Franklin street, Buffalo 2, N. Y.

FACILITIES OFFERED

Wide variety of liquid mixtures recovered at nominal cost for drum and tank car lots. We handle simple and difficultly-separable mixtures. We are also interested in purchase of all types of crude mixtures. Inquiries solicited. All replies treated in strictest confidence. OPD 155.

Filling and packaging service. We are equipped to fill, label, pack liquid detergents, insecticides, soaps, sanitary products. Direct shipping arranged. Harwin Laboratories, 44 William street, Newark 2, N. J. MArket 3-6494.

FOR SALE

Six copper varnish kettles, covers and trucks. Capacity 140 gallons each; used, good condition; $100.00 each. OPD 191.

Change can paint mixer and 22-in. Buhr stone mill. Both in excellent condition. Lacquer & Chemical Co., 214 40th street, Brooklyn.

LABORATORY OFFERED

Modern experimental and research laboratory; ideal for any type of chemical physics or metallurgical work; modern equipment and buildings with latest fixtures; laboratory consisting of approximately 15,000 square feet. Equipment, name, good will and rights to two branch offices in Chicago and Philadelphia included. Moderately priced; to be sold as a going business exclusively through this office. C. B. Snyder Organizations, Realtors. Eves. till 8 p.m. 61 Newark street. HOboken 3-8740.

MATERIALS OFFERED

Importer offers three thousand drums of Australian creosote f.o.b. U. S. port. OPD 193.

For sale, approximately 40,000 lbs. inedible almond oil. This material has been expelled and filtered and is ready for delivery in open-head steel drums. OPD 196.

Available for spot delivery, highly concentrated bubble bath in 55-gallon drums; also small quantity highest grade rhodinol; also a by-product containing cholesterol and iso-cholesterol; reasonable prices. OPD 197.

Sodium bicarbonate (tech). Good quantity available in exchange for similar amount soda ash. Also have sizable quantity 5-ply 100-pound paper bags on which satisfactory deal for soda ash could be arranged. OPD 200.

MATERIALS WANTED

Wanted: all types of dyestuffs including sulphur black, sulphur blue, sulphur green, sulphur yellow, ponsol blues, direct black RW, malachite green, congo red, crystal violet, napthols, acid colors, vat colors. Spot and future shipments. Will purchase at all trade levels from manufacturer to dyehouse. OPD 145.

Wanted, approximately 2,500 lbs. calcium chloride, technical, 74%, flake, packed in 100-lb. bags. Also 1,000 wax impregnated bags, standard 10-lb. capacity. OPD 185.

Wanted, immediately, diethanolamine, any quantity that is available. Kindly contact OPD 187.

Acetic anhydride; acid, acetic glacial, acetyl salicylic, U.S.P.; formic 90%, nitric 42°; acetone, C.P.; camphor; soda ash; sodium hyposulfite crystals; potash carbonate calcined, sulphur black, sulphur blue. John Adam, 94 Beekman street, New York, N. Y. REctor 2-9815.

Glycerines, 10 000 lbs. or part, by chemical manufacturer. Send offers to OPD 195.

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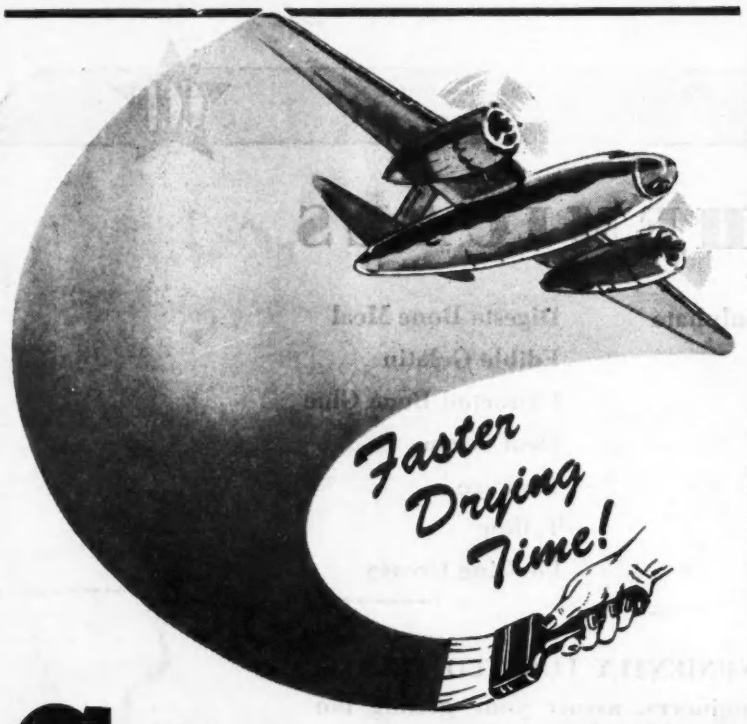

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